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1914/15

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VOLUME 10

NUMBER TWO

Grove City College Bulletin

CATALOGUE EDITION

OCTOBER 1914

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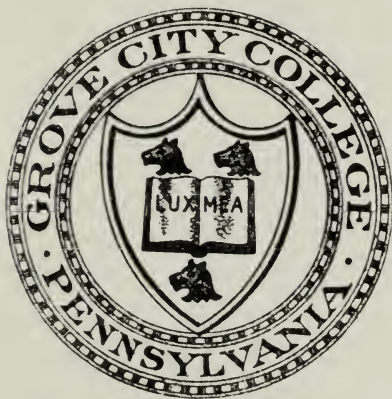
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18 JAN 1915

Thirty-Ninth Year
Grove City College

Catalogue for 1914-1915

*With Calendar and Courses of
Study for the Year 1914-1915*



Grove City, = = Penn'a.

1898

1899

1900

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1914-15

CALENDAR

1914

September 22nd, Tuesday... Registration of new students.
September 23rd, Wednesday... Registration of old students.
Chapel 1:30 P. M.
September 24th, Thursday... Recitations begin 7:40 A. M.
December 14 th to Dec. 19th... Final Examinations

1915

January 5th, Tuesday..... Registration of students for the
Winter Term.
Chapel 1:30 P. M.
January 6th, Wednesday..... Recitations begin at 7:40 A. M.
March 22nd, to March 27th... Final Examinations.
March 30th, Tuesday..... Registration of students for the
Spring Term.
Chapel 1:30 P. M.
March 31st, Wednesday..... Recitations begin 7:40 A. M.
June 7th to June 12th..... Final Examinations.
June 13th, Sunday..... }
June 14th, Monday..... } Exercises of Commencement Week
June 15th Tuesday..... }
June 16th Wednesday..... }
June 22nd, Tuesday..... Registration of students for the
collegiate Summer Term.
Chapel 1:30 P. M.
June 23rd, Wednesday..... College recitations begin at 7:40
A. M.
June 24th, Thursday..... Registration of students for the
Pedagogy Term.
June 25th, Friday..... Pedagogy Term subjects begin at
7:40 A. M.
July 31st to August 10th..... Bible School.
August 23rd to 26th..... Final Examinations for the col-
legiate term.
September 21st, Tuesday..... Registration of new students for
the Fall Term.
September 22nd, Wednesday.. Registration of old students for
the Fall Term.
Chapel 1:30 P. M.
September 23rd, Thursday... Recitations begin at 7:40 A. M.

1916

January 4th, Tuesday..... ..Opening of the Winter Term.
March 29th, Tuesday..... Opening of the Spring Term.
June 21st, Tuesday..... Opening of the Summer Term.

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HISTORICAL SKETCH

As early as 1858 an effort had been made to provide instruction in college preparatory studies at Pine Grove, now Grove City. Rev. Richard M. Thompson, D. D., was the first to give instruction in the higher branches.

In 1864 Rev. Wm. T. Dickson became pastor of the Presbyterian Church of Pine Grove, and soon after, he and his wife, Mrs. Harriet L. Dickson, undertook to maintain a private school for the young people of the community. This school was held much of the time in their own home, but when the attendance justified a larger room they occupied the Presbyterian Church. They continued this work with but slight interruption for ten years.

In 1874 the school directors of Pine township decided to erect a one-story brick school house containing two rooms for the accommodation of the school children of the Pine Grove district. A movement was started among those interested in higher education to take up a subscription to add a second story to the public school building. This, after much effort, was accomplished and it was in this upper room of the public school house, that a select school or academy was started on the 11th day of April, 1876. The committee of stockholders of this upper room consisted of Joseph Humphrey, President; James A. Gilmore, Secretary; N. W. VanEman, M. D., O. P. McCoy and James Hunter. This committee rented the room to Isaac C. Ketler of Blacktown, a village four miles west of Pine Grove. Mr. Ketler at his own expense furnished the room with necessary equipment and had, in the March preceding, announced that he would open a school at Pine Grove in this building. Thirteen students reported the first day of the school and twenty-four were enrolled during the entire

session. On the 8th of August, 1876, the first Fall session of the school was held with an enrollment of about eighty students. Mr. Ketler was assisted by one of his pupils (Samuel R. McClelland), in conducting the classes.

In September, 1878, a meeting of the citizens was called to consider the propriety of securing real estate, land on which to erect an academy building. At this meeting Mr. Robert G. Black presided. In calling the meeting to order he said, "In view of the very great and vital interest which has brought the people together it is proper and wise that Divine guidance and blessing be sought;" the first general meeting of the citizens held in this interest characterized the spirit in which the subsequent work of the institution has ever been conducted.

Wm. A. Young, J. M. Martin, M. D., James P. Locke, James Hunter and Joseph Humphrey were appointed a Finance Committee to provide means for the purchase of grounds and the erection of an academy building. They were directed to apply for a charter of incorporation, that the academy might have a proper legal basis. At the August 1879 term of the Court of Common Pleas of Mercer County, Pa., a charter of incorporation for the purpose of establishing and maintaining a school in the village of Pine Grove, to be known as The Pine Grove Normal Academy, was granted. The aforesaid Finance Committee, under the charter, constituted the Board of Trustees until the election of their successors, a board of fifteen trustees, on the second Monday of January, A. D. 1880. The capital stock of the corporation was at first limited to \$25,000 (afterwards increased to \$50,000), and was to be sold in shares of \$10 each. When four hundred shares had been subscribed and twenty per cent of the stock thus subscribed paid in, the charter was to go into effect. Capt. R. C. Craig was appointed to solicit funds. Early

in the spring of 1879 the required amount of stock having been sold and twenty per cent of it paid in, the Finance Committee, or five Trustees, proceeded to purchase ground and erect a suitable building. Four acres of ground were purchased and a building was erected at a cost of about \$10,000. The Academy building was first occupied in December, 1879, and from that time on the growth of the institution has been rapid and continuous.

In 1881 the attendance of students had so increased, that the demand for larger facilities became imperative. Therefore, in 1882, a building providing additional recitation rooms and other conveniences, (now a part of the Physics Building), was erected. A small dormitory building for young women was built by the Rev. W. J. McConkey and rented to the Academy. This was afterwards purchased by the College, enlarged and improved and converted into a Music Building for the uses of the Music Department.

In November 1882, the name of Pine Grove was dropped for the more pretentious name of Grove City, and the town was incorporated by decree of the Court of Quarter Sessions on the 4th of January, 1883. The first election for borough officers was held February 3rd ensuing.

In 1883, the annual attendance at the Academy had increased to fully five hundred students. The work had been mainly the preparing of teachers for teaching and students for college, although in 1881 and 1882 classes were graduated in a scientific course of study and received appropriate diplomas and degrees. Many were anxious to have the advantages of a collegiate classical course of study in this institution. They had become attached to the Academy. The smallness of the expenses made it possible for many boys and girls of very limited means to take such a course of study in this institution. These and other considerations led

the Board of Trustees to ask for an amendment to the charter, changing the institution from an academy with restricted powers to a college with all the rights and franchises of the same. The decree authorizing this change was granted on the 21st day of November, A. D. 1884.

In the following June, 1885, a class of ten was graduated in Collegiate courses of study, four of whom received the degree of Bachelor of Arts, the remaining six graduating in the Scientific Course. From that time the classes grew in size and the courses of study were amended and improved with almost every year.

Early in September, 1894, the Board of Trustees found that the institution was considerably in debt, and although property had been secured to the amount of one hundred thousand dollars the facilities for the work undertaken were entirely inadequate. It was felt by many that unless help could be secured from the outside about all possible had been accomplished and there were great fears that the institution would ultimately fail to meet its obligations. Up to this time the funds for the building of the College and its maintenance had been secured largely within a radius of four miles of Grove City. President Ketler was instructed to make known the situation to people of means at a distance from the town and to solicit help. The whole situation was thoroughly discussed with Mr. J. N. Pew, then of Pittsburg, and Mr. S. P. Harbison, of Allegheny, Pa.

On the special advice of Mr. Pew and Mr. Harbison an effort was made to eliminate the stock features of the College, so that the institution might be re-incorporated in the class of eleemosynary institutions. Accordingly on the 3rd day of November, 1894, the stock-holders of the College met in the College Chapel and without a dissenting voice voted to eliminate the stock features and permit the college charter to be amended so as to place the College in the class of public charities, with a self-

perpetuating Board of Trustees. The ballots which were used read as follows: "Grove City, Pa., November 3, 1894. I, the undersigned owner of———shares of stock in Grove City College, Grove City, Pa., do hereby give, assign, transfer and set over my said stock to said corporation, in order that an amendment to the charter of said corporation may be applied for, to eliminate the stock feature from the charter and place the corporation in the class of public charities. Witness my hand and seal this 3d day of November, 1894———(Seal)."

It must forever be to the honor of the community that the desired change was made without one dissenting vote. This is all the more remarkable when it is recalled that there were about two hundred and fifty share-holders of different religious denominations and maintaining different attitudes toward the College. They surrendered their entire property right in the institution, that others, with larger means, might come to the relief of the institution and direct its work. It added to the gravity of the undertaking that it was a serious question whether the change could legally be made if one stock-holder should oppose the change. The fifteen trustees who had previously been chosen by the stock-holders became petitioners for the amendments, which, when granted changed the entire legal aspect of the College. From a stock corporation in which more than two hundred persons had a property right it became a corporation in the class of public charities and the former fifteen trustees and fifteen others became the legal guardians or trustees of the changed corporation. The final decree making these changes was ordered on the 10th day of December, A. D., 1894, a little more than ten years after the College charter had been obtained.

The management of the institution up to January, 1895, was, by the charter of incorporation lodged in a board of fifteen trustees, chosen from the stock-holders and by the stock-holders. Five trustees were chosen thus

annually to serve for three years. As the stock was held almost exclusively by citizens of the community within a radius of four miles of the College, the members of the Board were necessarily local. But to their wise and careful administration is largely due the success of the College. Severely economical where economy could be practiced with safety, generous even to personal sacrifices when the resources of the College were not adequate to its plainly evident needs, investing every dollar of a sadly insufficient income where it would count most for the advancement of the College, in season and out of season they gave the college their time, their money, their consecrated service. Among the men of Grove City who never flagged for the institution were W. A. Young, Thomas W. Dale, R. C. Craig and J. C. Glenn.

On the 24th of January, A. D., 1895, the fifteen Trustees who were appointed under the amended charter met in the College to carry out the provisions of the new or amended charter, viz., the election of fifteen additional trustees, who should have a part with them in this trust. They were W. A. Young, T. W. Dale, J. C. Glenn, Rev. W. J. McConkey, D. D., John N. White, Newton Campbell, James Simpson, W. J. McKay, A. M. Craig, Perry F. Say, J. J. McGarvey, Joseph A. McDowell, D. F. Courtney, S. F. Thompson, Esq., and Beriah Magoffin, Esq. They proceeded by ballot to the election of the new members who should join with them in constituting the new Board, and the following gentlemen were unanimously elected: J. N. Pew, A. P. Burchfield, W. J. Young, and the Rev. J. T. Gibson, D. D., of Pittsburgh, Pa.; Rev. Wm. H. McMillan, D. D., Samuel P. Harbison and W. L. Pierce, Esq., of Allegheny, Pa.; Edward O'Neil, of Sewickley, Pa.; Judge Christopher W. Heydrick, of Franklin, Pa.; W. D. Brandon, Esq., and Rev. Wm. E. Oller, of Butler, Pa.; J. T. Blair, of Greenville, Pa.; Rev. A. J. Merchant, D. D., of Sharon,

Pa.; David Gilson, of London, Pa., and Rev. James B. McClelland, of Grove City, Pa. The gentlemen so chosen were notified of their election as trustees of Grove City College, and Thursday, the 31st day of January, A. D., 1895, at 2 P. M., was fixed as the time for the organization of the new Board. At this time they met and by lot arranged themselves into three classes of ten members each, one class to serve for one year, or until the second annual meeting, the Tuesday before Commencement, 1896; one class to serve two years, or until the annual meeting in June, 1897, and one class to serve for three years, or until the annual meeting in June, 1898.

The Board was fully organized by the election of the following officers: J. N. Pew, Philadelphia, Pa., President; Rev. Wm. H. McMillan, D. D., Allegheny, Pa., Vice President; J. C. Glenn, Secretary; Wm. A. Young, Treasurer.

At the death of W. A. Young the Grove City National Bank was made Treasurer. J. N. Pew served as President until his death in October 1912. At that time F. R. Babcock of Pittsburgh was elected President.

The progress of the College since the reorganization in 1895 has been rapid. The property value was estimated at \$100,000 when the new board took control. To-day the College has a campus of over fifty acres in the center of the town. From two buildings in 1895 the growth has been to nine buildings at present. The College plant is valued at more than \$700,000.

There has been a constant development in the number, equipment and scholarship of the Faculty. The college courses have been founded on the ideals of sound and liberal culture, vital religion and practical efficiency, animated by the spirit of service to God and humanity.

At the death of the founder and first president, on July 2, 1913, the Board of Trustees sought a suitable successor. On July 26, Alexander T. Ormond, then head

of the Department of Philosophy at Princeton University, was elected president. At his inauguration, November 15, he pledged his administration to the continuation of the policy of thorough scholarship vitalized by Christian training.

THE CHARTER OF GROVE CITY COLLEGE

Whereas, By a decree heretofore entered by the Court of Common Pleas of Mercer County, Pennsylvania, in pursuance of the application of W. A. Young, Joseph Humphrey, James Hunter, J. M. Martin and J. P. Locke, the "Pine Grove Normal Academy" was duly incorporated; and, whereas, by a subsequent decree of said Court the corporate name of said institution was changed to "Grove City College," and its rights, privileges, authorities and jurisdictions as an institution of learning extended; and, whereas, further improvements, amendments and alterations of the charter of said corporation are desired, viz., By altering, amending and improving Sections I, II, III, IV, VII, VIII, and Section IX, as amended heretofore, of the present charter, and by striking out entirely Sections V and VI, and substituting therefore new sections and provisions so that the whole articles of association as altered and amended will read as follows:

Article 1. The said corporation under the name, style and title of Grove City College shall have perpetual succession, with all the incidents of a corporation in deed and in law, for all the purposes whatsoever of its incorporation.

Article 2. The trustees of said corporation now in office, viz., W. A. Young, Thomas W. Dale, Samuel F. Thompson, Joseph A. McDowell, J. C. Glenn, Beriah Magoffin, James Simpson, Sr., William J. McKay, John N. White, Newton Campbell, Perry Say, J. J. McGarvey, D. F. Courtney, A. M. Craig and W. J. McConkey, and others to be elected as hereinafter provided, and their successors, by the said name and title shall be able and capable in law and in equity to take, hold an en-

joy for the use of said college any estate in any messuage, lands, tenements, goods, chattels, moneys, or other effects by gift, grant, bargain, sale, conveyance, assurance, will, devise or bequest, of any person or persons or any body corporate, whatsoever: provided that the yearly income of the real and personal property of the said corporation shall not at any time exceed twenty thousand dollars.

Article 3. The said trustees and their successors by the same name shall sue and be sued, plead and be impleaded, answer and be answered, defend and be defended, in all courts of law and equity in all manner of suits and actions whatsoever; and generally, by and in the same name do and transact all the business touching and concerning the premises, or which shall be incidentally necessary thereto, as fully and effectually as any natural person, or body politic or corporate, has power to manage the concerns belonging to such person or body, and to hold, enjoy and exercise such powers, authorities and jurisdictions as are customary and usual in other colleges, or institutions similar, in this Commonwealth.

Article 4. The said corporation is hereby authorized to establish and maintain an undenominational but evangelical Christian school or college in the borough of Grove City, Mercer County, Pennsylvania, in which youth of both sexes, and others who may desire, without regard to religious test or belief, may receive an education both preparatory and collegiate in the various branches of science, abstract and applied, languages, mathematics, history, literature, music, and the arts in all their various ramifications; and generally, where students may receive thorough instruction in all the branches of higher learning professional and technical: And to this end the trustees shall have power to elect or appoint a corps of professors, or faculty, for said college, without regard to creed or religious belief of the appointees, who shall be persons of full age of either sex,

and thoroughly qualified for the positions or chairs to which they shall be appointed, (together with such other and subordinate teachers as may be required), one of whom they shall style or denominate president of the faculty, and who shall ex-officio meet and act with the trustees and take part in all their deliberations, and serve on any committees as fully to all intents and purposes as if elected one of said body as hereinafter provided; and the professors and teachers so appointed shall at all times be subject to removal at the discretion of the trustees as the welfare of the College may demand or require.

Article 5. The management of said corporation shall be lodged in a board of trustees not exceeding thirty in number, ten of whom shall constitute a quorum to transact business; and after decree of the Court has been entered granting this amended charter the board of trustees, as at present constituted, at their first meeting as provided in the by-laws, shall proceed to fill the board as required to be constituted herein by electing by ballot fifteen additional trustees who shall have the qualifications hereinafter provided, and thereupon they shall notify the persons so elected of the time and place when and where to meet with them to perfect the organization of the board of trustees of said corporation as provided herein; and when so organized the said board of trustees shall classify themselves by lot into three classes of equal number, which classes shall be designated as the first, the second and the third class, and the term of office of the first class shall expire at the second annual meeting and the terms of office of the other classes shall expire annually thereafter in order of their number. At each annual meeting succeeding the first, ten trustees shall be elected by ballot by the trustees in the two classes whose terms do not expire at said meeting, and the persons so elected shall serve for three years, provided however that not more than ten of the board of trustees at any one time shall be clergymen; vacancies

occurring by death, resignation, removal or otherwise, shall be filled for the unexpired term by the board at its first meeting after the vacancy occurs, and the member or members elected shall belong to the respective class or classes in which the vacancy or vacancies occurred. Trustees shall be citizens of the United States and shall be chosen with due regard to their fitness for the office and persons of any Christian sect or creed shall be eligible, but at all times at least twenty of the trustees shall be citizens of this Commonwealth.

Article 6. The board of trustees shall elect at each annual meeting to serve for one year a president, a vice president, and a secretary of their own body; they shall also elect a treasurer, either of their own body or not as they deem best, who shall give bonds with security for the safe keeping of the funds of the corporation in such amounts as may be deemed advisable; and they shall and may have a common seal to serve and use for all causes, matters and affairs of them and their successors and by which the deeds, diplomas, certificates, and acts of the corporation shall pass and be authenticated, and may change and alter the said seal at their pleasure from time to time. They shall meet at least twice each year in the borough of Grove City, Mercer County, Pennsylvania, at such times as shall be provided in the by-laws, one of which meetings shall be called the annual meeting, and such other meetings may be held at such times and places as shall be provided for in the by-laws. They shall make and ordain by-laws and rules for the government of the corporation not inconsistent with this charter nor repugnant to the constitution and laws of the United States or the constitution and laws of this Commonwealth. They shall provide a book in which shall be transcribed this charter and all by-laws, rules and regulations adopted by them and in which a record of the proceedings of all meetings of the trustees shall be kept.

Article 7. The faculty of the College shall preserve proper discipline among the students, and by and with the advice and consent of the board of trustees shall prescribe the courses of study and instruction in the several departments of said college, shall fix the rates of tuition, matriculation and contingent fees, and determine the proficiency and qualifications necessary for students to enter the various departments and classes, and shall at the close of each college year, or at such other times as may be deemed advisable, graduate such of the students who by their proficiency in learning they may consider entitled to be graduated and confer such degrees upon them, and also upon others of meritorious distinction, as are usually conferred and granted in other colleges of the United States, and to grant to such graduates diplomas under the common seal of the corporation and signed by the faculty to authenticate and perpetuate the memory of such graduation.

Article 8. The board of trustees shall invest or put out at interest all moneys received by them by gift, donation, bequest, devise, or otherwise, for the use and benefit of such corporation; and the interest or revenue thus accruing shall be exclusively and forever appropriated to the support of the said College and instruction therein; and they shall keep the books of account in which all moneys received by them from all sources shall be carefully entered at large.

Article 9. The membership of this corporation shall consist of the several persons who for the time being shall be acting as trustees. Persons not members of the corporation shall be eligible to election as trustees, subject only to the qualifications hereinbefore stated.

Article 10. No misnomer of said corporation shall defeat or annul any gift or grant, devise or bequest, to or for said corporation.

Article 11. The enumeration of powers, privileges and duties herein contained shall not be construed so as

to exclude others not enumerated which are necessary to the proper fulfillment of the designated purposes of the corporation and not inconsistent with the express provisions and limitations thereof.

W. J. McConkey, President of Board of Trustees.

J. C. Glenn, Secretary of Board of Trustees.

{ Grove City College, }
Nov. 21, 1894
{ Mercer County, Pa. }

THE ENTRANCE REQUIREMENTS

The requirement for admission to the Freshman class is fifteen units. A unit is the credit allowed for a subject pursued in daily recitations for the full year of at least 34 weeks. The maximum of four units is allowed for the regularly scheduled work of one year in a high school or other secondary school.

Fifteen units credit is equivalent to a full four-year course in a strong high school. Work of the regular four-years high school course cannot be accepted for advanced standing.

Graduates from a course in a three-year high school are admitted as Conditional Freshmen and are required to complete two full terms of work (30 hours) at the College before being classed as Freshmen in full collegiate standing. Six hours of the work of these two terms shall be in English. This English requirement is understood to be in addition to the English requirement for the baccalaureate degree.

Applicants for entrance to the courses leading to the degree of Bachelor of Arts, or the degree of Bachelor of Literature must present

- 3 units in English
- 3 units in Mathematics
- 4 units in Latin
- 2 units in German or French
- 1 unit in Chemistry or Physics
- The remaining 2 units are elective.

Candidates for the course leading to the degree of Bachelor of Science must present

- 3 units in English
- 3 units in Mathematics
- 2 units in German or French
- 1 unit in Biology
- 1 unit in Physics

1 unit in Chemistry

The remaining 4 units are elective.

It is recommended that the unit in Biology be presented in one branch of Biology, such as Botany or Zoology.

A student who is deficient in any of the work prescribed for admission to one of the college courses may substitute other subjects to make a total of fifteen units, provided he take during his college course such subjects as will make up this deficiency. The following units may be presented:

	Minimum accepted 2 (see note 1)	Maximum allowed 3 (see note 1)
English		
Mathematics		
Algebra, elementary	1	1
Algebra, intermediate	$\frac{1}{2}$	$\frac{1}{2}$
Algebra, advanced	$\frac{1}{2}$ (see note 2)	$\frac{1}{2}$ (see note 2)
Geometry, plane	1	1
Geometry, solid	$\frac{1}{2}$	$\frac{1}{2}$
Trigonometry, plane	$\frac{1}{2}$ (see note 3)	$\frac{1}{2}$ (see note 3)
Foreign Language, total		8
For. Language, any one	1 (see note 4)	4
History total		4
History, General	$\frac{1}{2}$	1
History, Ancient	$\frac{1}{2}$	1
History, Mediaeval	$\frac{1}{2}$	1
History, Adv. American	$\frac{1}{2}$	1
History, English	$\frac{1}{2}$	1
Science, total		4
Astronomy	$\frac{1}{2}$	$\frac{1}{2}$
Agriculture	$\frac{1}{2}$	$\frac{1}{2}$
Biology	$\frac{1}{2}$	1
Botany	$\frac{1}{2}$	1
Chemistry	1	1
Physics	1	1
Physiography	$\frac{1}{2}$	1
Physical Geography	$\frac{1}{2}$	1
Physiology, advanced	$\frac{1}{2}$	$\frac{1}{2}$
Zoology	$\frac{1}{2}$	1

Note 1—As the first English work in the high school course is largely grammar, the credit granted in English is one unit less than the number of years of work in this subject.

Note 2—A student presenting Advanced Algebra ($\frac{1}{2}$ unit) is required to elect during his course, College Algebra II.

Note 3—A student presenting Plane Trigonometry ($\frac{1}{2}$ unit) is required to elect during his course, Spherical Trigonometry or Surveying.

Note 4—A student presenting but one unit in any foreign language is required to elect during his course the second year's work in that language.

The units are to be chosen from the following:

English. Grammar, Composition and Rhetoric, one unit; Literature, one unit; the third unit either Advanced Composition or Literature. Every applicant for admission to any of the regular college courses will be subject to a test in English composition. He will be asked to write a brief essay on some familiar subject. In judging this essay special stress will be placed upon such elementary matters as spelling, capitalization, punctuation, grammar, the proper division of thought into sentences and paragraphs, orderly arrangement and clear expression of ideas. The amount work in rhetoric required of a student will be determined by this test. The student whose work in this essay shows lack of sufficient preparation for English 11, will be required to take English 15, see page 59.

Mathematics. Elementary Algebra, one unit; Plane Geometry, one unit; Intermediate Algebra, Solid Geometry, Advanced Algebra, Plane Trigonometry, each $\frac{1}{2}$ unit.

Latin. Elementary Latin, one unit; Caesar, four books, one unit; Cicero, six orations and composition, one unit; Vergil, six books, one unit. In Cicero and Vergil for less work than above stated $\frac{1}{2}$ unit each may be allowed.

Greek. Elementary Greek, one unit; Anabasis, four books, and composition, one unit; Homer, three books, $\frac{1}{2}$ unit.

German. Elementary German (grammar, conversation and reading of easy texts), one unit; composition and translation (Wilhelm Tell and Immensee or equivalent), one unit.

French. Elementary French (grammar, conversation and reading of easy texts), one unit; composition and translation (Le Chateau d'If, La Tulipe Noire, and Mlle. de la Seigliere, or equivalents), one unit.

History. General, or Greek and Roman, $\frac{1}{2}$ unit; Mediaeval and Modern, $\frac{1}{2}$ unit; English, $\frac{1}{2}$ unit; Advanced American, $\frac{1}{2}$ unit. In each of these courses, more extended and thorough work may be accepted for a full unit.

Physics. Carhart and Chute, Hoadley, or equivalent, with laboratory.

Chemistry. "First Principles of Chemistry," Brownlee, or equivalent, with laboratory.

Astronomy, Biology, Botany, Physical Geography, Advanced Physiology, Zoology, each $\frac{1}{2}$ unit. Exceptionally thorough and extended work in any of these subjects may be accepted as a full unit.

A student presenting a science with laboratory will be asked to present certified laboratory notebook.

A student unable to carry work in a department to which his accepted units admit him, loses credit in all units up to the work he can carry.

Certificates must state clearly the following points:

1. The number of years at the institution.
2. The fact of graduation, if a graduate.
3. The subjects studied each year.
4. The textbook used in each subject.
5. The number of weeks devoted to each subject.
6. The number of periods per week for each subject.
7. The length of the periods.
8. The grade received in each subject.

Blank forms will be furnished on application to the Registrar.

Students, who have passed satisfactory examinations in the subjects required for entrance, are admitted as Freshmen.

THE COLLEGE COURSES

The courses leading to the degrees of Bachelor of Arts, Science and Literature require 180 hours work beyond that necessary for entrance to the Freshman class. This means four years work of 45 hours per year, or 15 hours per term.

Requirements in Hours for the Degrees.

	A. B.	B. S.	Litt. B.
English Language	9	9	9
English Literature	9	9	9
Latin	18		18
Greek	30		
German or French	9	9	27
Mathematics	12	21	12
Physics	12	21	12
Chemistry		21	
Biology		12	
Bible	12	12	12
Psychology	6	6	6
Logic	3	3	3
Elective	60	57	72
	<hr/> 180	<hr/> 180	<hr/> 180

Candidates for the degree of Bachelor of Science may present twelve hours of Chemistry, twenty-one of Physics and twenty-one of Biology; or twenty-one of Chemistry, twelve of Physics and twenty-one of Biology, instead of twenty-one of Chemistry, twenty-one of Physics and twelve of Biology.

Candidates for Bachelor of Literature may, with the consent of the Faculty, substitute for the eighteen hours of collegiate Latin, eighteen hours of another language of collegiate grade. By collegiate grade is understood work beginning with the grade of course 15 in the various languages as described on pages 76, 79, 81.

It is understood that all candidates for Bachelor of Literature must offer work in two languages for his degree.

For 1915 and 1916 the degree of Bachelor of Philosophy will be granted to those students who enrolled in this course and who have fulfilled the requirements for that degree as listed in the catalogue of 1913-14. This degree will not be granted after 1916; the degree of Bachelor of Literature will be substituted. Those students who have six terms, or less, of work to complete after June 1914 and cannot complete the course before June 1916, will be considered as fulfilling the requirements for Bachelor of Literature, by taking one course in a department each term, although such courses do not aggregate the total number of hours prescribed in such department.

After the Summer Term 1915 students are graduated and receive their degrees in person at the Commencement following the completion of their work.

PLAN OF COURSE FOR THE DEGREE OF BACHELOR OF ARTS

FRESHMAN YEAR.

FIRST TERM	SECOND TERM	THIRD TERM
*English 11 and Oratory 11, 3 hours	English 12 and Oratory 12, 3 hours.	English 13 and Oratory 13, 3 hours
Latin 11, 3 hours.	Latin 12, 3 hours.	Latin 13, 3 hours.
Greek 11, 5 hours	Greek 12, 5 hours.	Greek 13, 5 hours.
Mathematics 11, 4 hrs.	Mathematics 12, 4 hours	Mathematics 13, 4 hours.

SOPHOMORE YEAR.

Latin 21, 3 hours.	Latin 22, 3 hours.	Latin 23, 3 hours.
Greek 21, 5 hours	Greek 22, 5 hours	Greek 23, 5 hours
Physics 21, 4 hours.	Physics 22, 4 hours.	Physics 23, 4 hours.
Bible, 3 hours.	Bible, 3 hours.	Bible, 3 hours.

JUNIOR YEAR.

Modern Language. (Course 15), 3 hours.	Modern Language. (Course 16), 3 hours.	Modern Language. (Course 17), 3 hours.
English 31, 3 hours.	English 32, 3 hours.	English 33, 3 hours.
Psychology 31, 3 hours.	Psychology 32, 3 hours.	Philosophy 33, 3 hours.
Bible, 3 hours.	Elective, 6 hours.	(Logic)
Elective, 3 hours.		Elective, 6 hours.

SENIOR YEAR.

Elective, 15 hours.	Elective, 15 hours.	Elective, 15 hours.
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*"English 11," "Latin 11," etc., are titles of prescribed courses. The description of these courses will be found under the various departments, pages 52 to 96.

Candidates for Departmental Honors are excused from the prescribed junior work in Language, English and Bible. (See page 42).

PLAN OF COURSE FOR THE DEGREE OF BACHELOR OF SCIENCE

FRESHMAN YEAR.

FIRST TERM

*English 11 and Oratory 11, 3 hours.
German 15, 3 hours.
Chemistry 11, 4 hours.
Mathematics 11, 4 hours.
Bible 21, 2 hours.

SECOND TERM

English 12 and Oratory 12, 3 hours.
German 16, 3 hours.
Chemistry 12, 4 hours.
Mathematics 12, 4 hours.
Bible 22, 2 hours.

THIRD TERM

English 13 and Oratory 13, 3 hours.
German 17, 3 hours.
Chemistry 13, 4 hours.
Mathematics 13, 4 hours.
Bible 23, 2 hours.

SOPHOMORE YEAR.

Mathematics, 3 hours.
Chemistry, 3 hours.
Physics 21, 4 hours.
Psychology 31, 3 hours.
Elective, 2 hours.

Mathematics, 3 hours.
Chemistry, 3 hours.
Physics 22, 4 hours.
Psychology 32, 3 hours.
Elective, 2 hours.

Mathematics, 3 hours.
Chemistry, 3 hours.
Physics 23, 4 hours.
Bible, 3 hours.
Elective, 2 hours.

JUNIOR YEAR.

English 31, 3 hours.
Physics 31, 3 hours.
Biology, 4 hours.
Bible, 3 hours.
Elective, 2 hours.

English 32, 3 hours.
Physics 32, 3 hours.
Biology, 4 hours.
Elective, 5 hours.

English 33, 3 hours.
Physics 33, 3 hours.
Biology, 4 hours.
Philosophy 33, 3 hours.
Elective, 2 hours.

SENIOR YEAR.

Elective, 15 hours.

Elective, 15 hours.

Elective, 15 hours.

Candidates for Departmental Honors are excused from the prescribed junior work in English, Bible and the Sciences. (See page 42).

PLAN OF COURSE FOR THE DEGREE OF BACHELOR OF LITERATURE

FRESHMAN YEAR.

FIRST TERM

*English 11 and Oratory 11, 3 hours.
Modern Language, 3 hrs. (Course 15)
Latin 11, 3 hours.
Mathematics 11, 4 hours.
Bible 21, 2 hours.

SECOND TERM

English 12 and Oratory 12, 3 hours.
Modern Language, 3 hrs. (Course 16)
Latin 12, 3 hours.
Mathematics 12, 4 hours.
Bible 22, 2 hours.

THIRD TERM

English 13 and Oratory 13, 3 hours.
Modern Language, 3 hrs. (Course 17)
Latin 13, 3 hours.
Mathematics 13, 4 hours.
Bible 23, 2 hours.

SOPHOMORE YEAR.

Latin 21, 3 hours.
Modern Language, 3 hrs. (Course 21)
Physics 21, 4 hours.
Psychology 31, 3 hours.
Elective, 2 hours.

Latin 22, 3 hours.
Modern Language, 3 hrs. (Course 22)
Physics 22, 4 hours.
Psychology 32, 3 hours.
Elective, 2 hours.

Latin 23, 3 hours.
Modern Language, 3 hrs. (Course 23)
Physics 23, 4 hours.
Bible, 3 hours.
Elective, 2 hours.

*"English 11," "Latin 11," etc., are titles of prescribed courses. The description of these courses will be found under the various departments, pages 52 to 96.

JUNIOR YEAR

Modern Language, 3 hrs. (Course 31)	Modern Language, 3 hrs. (Course 32)	English 33, 3 hours. Philosophy 33, 3 hours
Bible, 3 hours.	English 32, 3 hours.	Modern Language, 3 hrs. (Course 33)
English 31, 3 hours.	Elective, 9 hours.	Elective, 6 hours.
Elective, 6 hours.		

SENIOR YEAR.

Elective, 15 hours.	Elective, 15 hours.	Elective, 15 hours.
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Candidates for Departmental Honors are excused from the prescribed junior work in English, Modern Language and Bible. (See page 42).

OPPORTUNITIES

The number of graduates of the College who have taken up some form of religious work is large. Strong work in the classics, English and philosophy has built a solid foundation for later development. Every year a number of graduates enter the various theological seminaries. The reports from these schools show that the graduates of Grove City College are well trained in habits of thought and study.

The graduate of a college is eligible to receive a provisional college certificate from the Department of Public Instruction of Pennsylvania, if during his college course he has completed two hundred recitation hours' work in educational subjects. This requirement is covered by a credit of seventeen hours. The educational subjects include psychology, ethics, logic, history of education, school management and methods of teaching. As six hours of psychology and three hours of logic are required of all candidates for degrees, many have availed themselves of the work offered in Education to complete the requirement for teachers' certificates. After teaching successfully for three years, the holder of a provisional college certificate is eligible to receive the permanent college certificate.

Work Preliminary to Medicine and Engineering

If a young man, after graduating from high school, has spent two years in the cultural, humanitarian atmosphere of a college of liberal arts, he has received a fundamental training in the best things which enables him to grasp more quickly and to use better a later training in applied sciences. The student who is well grounded in pure science can with little effort develop in the sphere of applied science. He is a better engineer or doctor for his training in college; in addition to this

he is a better citizen, more in sympathy with his fellow citizens and better able to assist in the solution of economic problems. Grove City College offers thorough work in the fundamentals of mathematics, physics, chemistry and biology. This fundamental work in these subjects is carried on with the ideal of pure science rather than that of utilitarianism. With two years at college, a young man who has availed himself of the opportunities in science and mathematics can complete a course in an engineering school in three years.

For those intending to enter medical schools, the College offers opportunities for receiving instruction to meet the requirements of the best schools, and of the strongest state boards of control of medical certification. The requirement is one year's credit in work of collegiate grade in each of the three sciences, biology, chemistry and physics. In each case at least two recitations and two laboratory periods per week are required in the science. To meet this requirement the student should take Biology 1 (page 104), Biology 16 B and 17 B (page 91), Chemistry 11 B, 12 B and 13 B, (page 82), and Physics 21 B, 22 B and 23 B (page 87). As this work requires three terms of each of three sciences with three recitations and two laboratory periods each week, it is not advisable for a student to attempt to meet the medical requirement in less than five terms. The work in the three sciences means nine recitations and about fifteen hours of work in the laboratory each week. Some medical schools require two years of college work as a condition of entrance. By spending two years at the College a graduate of a four years' high school can complete the science requirement outlined above and in addition take a liberal amount of work in English, mathematics and language.

TUITION

The tuition is twenty-eight dollars (\$28) for the term of twelve weeks and twenty-six dollars (\$26) for

the summer term of ten weeks. This tuition entitles the student to any course in the collegiate and preparatory departments, to the use of the gymnasium, to entrance to all athletic contests and to care in the hospital in case of illness. (See page 110).

In courses requiring laboratory practice, the student is charged a laboratory fee. This fee is two dollars (\$2) in all courses requiring one laboratory period (2 to 2½ hours) per week. In courses requiring more than one laboratory period, an additional fee of one dollar (\$1) is charged for each additional period. The fees are usually as follows: In biology, \$2 or \$3; in chemistry, \$2 or \$3; in physics, \$2; in mechanical drawing, \$5; in surveying, \$3.

ABSENCE REGULATIONS

A total gratuity of as many class absences per term as he has class recitations per week is allowed to each student.

The gratuity in each course per term is equal to the number of recitations in the course per week.

This gratuity is granted the student to cover all absences for any reason whatever.

When a student exceeds his gratuity in any subject, he may be penalized and at the option of the instructor may be excluded from examination in that course.

In all five and four recitation subjects, a student who takes more than three absences in excess of his gratuity in the course is cited to appear before the Committee on Absences.

In all two and three recitation subjects a student who takes more than two absences in excess of his gratuity is cited to appear before the Committee on Absences.

A gratuity of ten absences per term from morning Chapel is allowed to each student.

A student may not be absent from Sunday Chapel more than twice during any one term.

Absences are counted from the first recitation in each course.

Absence from class affects the grade of the student for that course.

The Committee on Absences and Examinations meets regularly on Tuesday; all requests for consideration of the committee should be written, and handed in at the College Office before noon Tuesday. Permissions for absences hold for one term only and are renewed only by application to the Committee each term. All such requests for optional attendance at Chapel must be handed to the Committee within one week of registration in college.

GRADE VALUES

The grade values used in rating the quality of work are: A, 95 to 100 per cent; B, 90 to 95 per cent; C, 80 to 90 per cent; D, 70 to 80 per cent; E, 50 to 70 per cent, conditioned; F, below 50 per cent, failure; P, passed without rank. "A" and "B" are considered honor grades. Failure to take the final examination at the end of a course or, in any other way, to complete the work of a course, causes that course to be graded "E." In a course requiring laboratory practice uncompleted laboratory work or unapproved laboratory reports cause that course to be graded "E."

A student who receives a condition, "E," in a subject has the opportunity of taking a special examination in this subject during his next succeeding term in college and on passing such special examination is graded "P" (passed). If the condition is not removed at the end of such next succeeding term, the mark of condition "E" is considered as a mark of failure, "F."

All "E" and "F" grades in a student's record must be removed by special examinations or repetition of

courses before a degree is conferred upon the student. When a student has on his record more than fifteen hours of courses with "E" and "F" grades, he is dropped from the rolls of the College.

STUDENT PROGRAMS

The regular program of work requires fifteen hours per term, and, in general, a student in the regular courses is not permitted to take a schedule of more than 15 hours.

If a student has for two successive terms completed his work with two-thirds of his work of honor grade he may apply to the matriculation committee for the privilege of taking 16, 17 or 18 hours. Failure to maintain the proportion of two-thirds honor grades for a schedule of 16, 17 or 18 hours makes it necessary for the student to return to the fifteen hour schedule. "E" or "F" grade causes the term in which such grade is received to be excluded from consideration for schedules beyond fifteen hours.

If a student has for two successive terms carried a schedule of 17 or 18 hours with all honor grades, he may apply to the matriculation committee for the privilege of taking 19 or 20 hours. Twenty hours is the limit of credit allowed for a term. If a student taking 19 or 20 hours falls below honor grade in more than one-third of his work for that term he must return to the fifteen hour schedule; if he falls below honor grade in any work which is less than one-third of his schedule, he may be required to return to the fifteen hour schedule, but must return to the eighteen hour schedule. "E" or "F" grade causes the term in which such grade is received to be excluded from consideration for schedules beyond fifteen hours.

ADVANCED STANDING

A student who applies for advanced standing in this

college on the basis of credits from another college may receive credit on a college course up to fifteen (15) hours a term or forty-five (45) hours a year; if during his next two terms at Grove City College he has done work of a grade entitling him under the rules to an increment of schedule hours, the Matriculation Committee may, at its option, grant him a corresponding increment of credit for work done at the college from which he comes; the credit granted for the work at the other college in no case exceeds twenty (20) hours a term, or sixty (60) hours a year. Each semester hour at a college is considered as one and one-half ($1\frac{1}{2}$) term hours. Blank forms for certification of collegiate work done at another institution may be obtained from the Registrar.

HONORS

On graduation the students whose work meets the requirements stated in the following paragraphs are granted their degrees with honors. This system of honors will be superseded by the system of Departmental Honors after 1916.

A student all of whose grades are "A" and "B" is eligible to honors on graduation and, unless the Faculty rules otherwise, receives the honor, "*cum laude*."

An honor student, two-thirds of whose grades are "A" is recommended to the Faculty for the honor, "*magna cum laude*."

An honor student all of whose grades are "A" shall be recommended to the Faculty for the honor, "*summa cum laude*."

DEPARTMENTAL HONORS

A student who has completed two full years of college work and has maintained an honor standing in at least four-fifths of his studies, may at the beginning of his third (junior) year select a department in which

he has not fallen below honor grade, in which department he shall do two-fifths of his work in his third (junior) year and three-fifths in his fourth (senior) year. The remainder of his studies shall be taken outside of the department that he has chosen and are free electives subject only to the requirements of the general course of study.

During the fourth (senior) year, it is at the discretion of the instructor or instructors to conduct seminars in the chosen department and to substitute research work and thesis for the regular class room exercises and examinations.

A candidate for departmental honors who falls below honor grade in the studies of his chosen department at the end of any term, is required to give up the course for special honors and to resume the regular course of study.

A student who has successfully completed the studies of his chosen department and has maintained honor standing in them and who has not fallen below "C" in non-departmental studies receives special honors in his department and has the same indicated upon his diploma.

An honor student is required to elect a major and a minor within his chosen department, the major to include three-fifths and the minor two-fifths of the honor work of the last two (junior and senior) years.

It is understood that where two or more professors are assigned to a single department the one whose subject is the major in any given case is considered the head of the department for that student.

The following departments are open to students entitled to elect courses leading to departmental honors:

The Department of Philosophy and Education, in which either Philosophy or Education may be either a major or a minor.

The Department of History, Economics and Politics, in which either History or Economics and Politics combined may be either a major or a minor.

The Department of English including English Literature as a major and either Composition and Oratory or English Bible as a minor.

The Department of Classical Languages including Latin and Greek, either of which may be a major or a minor. Archaeology and Sanskrit are included in this department as elective but non-honor subjects.

The Department of Modern Languages, including French and German, either of which may be a major or a minor. Spanish, Italian and Romance Philology are included in this department as elective but non-honor subjects.

The Department of the Sciences and Mathematics, including Chemistry, Physics, Biology and Mathematics of which any two constitute a department for the student electing them; the other two are considered extra departmental. Agriculture, Astronomy, Geology and Mechanical Drawing are included in this department as elective but non-honor subjects.

LIBRARY

Carnegie Library, the generous gift of Mr. Andrew Carnegie, was erected in 1900. It is a commodious structure of red brick upon a gray stone-substructure.

On the main floor are a large and well-lighted reading room, Librarian's office and the stack-room. Through the generosity of Mr. James H. Hammond of the Board of Trustees, and others, the stack-room has just been refitted with a handsome two-story equipment of steel stacks, with glass mezzanine floor and steel stairway,—the best product of the Art Metal Construction Company, of Jamestown, New York. The present capacity is about 35,000 volumes. The system of steel equipment is capable of gradual extension, as need arises, and will ul-

timately give for this floor alone a capacity of about 150,000 volumes. The second floor is now used as a college auditorium and chapel. The rapid growth of the College and increased demands upon the Library will make this later the main reading room of the Library. The basement contains ample room for storage purposes, with facilities for receiving and unpacking supplies. It is partly equipped with wooden stacks for unbound pamphlets, papers, etc.

The past collegiate year has been one of great growth in the Library. The periodical list was more than doubled and the Library now has on file more than fifty of the leading American and English periodicals, with complete sets of many of them. The Library received by gift from the Hon. Geo. B. McClellan the war collection of his distinguished father, the late General George Brinton McClellan. This contains nearly seven hundred volumes, many of which were specially bound. Books to the value of some \$5600 were added by purchase. These include a number of valuable and costly reference sets and a carefully chosen selection of the best modern works for the several departments of instruction in the College. These additions were due to the liberal gifts of Mr. James H. Hammond, Mr. Harry W. Croft, Dr. Omar A. Turney and others.

The Library Staff also was increased by the addition of a trained and experienced Assistant Librarian and additional subordinates. The hours during which the Library is open were extended until ten o'clock in the evening.

REGULATIONS GOVERNING INTERCOLLEGIATE CONTESTS

Only collegiate students may represent the College on recognized college organizations.

Absences incurred by students, while representing recognized college organizations, are not counted off their gratuity.

No student, who has failed in more than one subject during his preceding term in college, may represent the institution on collegiate organizations.

No student doing "E" or "F" grade work in more than one subject may represent the college on collegiate organizations.

No student may represent the college on any one recognized college organization more than four years.

The coach in charge of team shall furnish the Clerk with an authorized list of team men, which list shall be read at the regular meeting of the Faculty preceding the contest.

INTERCOLLEGIATE DEBATING

At the opening of the fall term all students intending to enter the preliminary contest are required to join a Debating League, which meets weekly during the term and is under the direction of a professor named by the Committee on Debating, or by the Faculty. The general principles of argumentation and the art of debating are studied until November 1st. After that date the questions submitted by contesting colleges or to be submitted to other colleges are studied. The choice of questions and of sides is determined by the members of this class and the Faculty Committee in conference.

The preliminary debate is open only to members of the Debating League and is held on the first Friday evening of the winter term. At this contest two teams are selected, consisting of three members and an alternate each. The special training of the teams thus chosen is under the direction of the Committee.

All arrangements for intercollegiate debates are in charge of the Faculty Committee; such debates are held as far as possible, during the last two weeks of the winter term or the first two weeks of the spring term; the selection of judges for such debates at home and abroad, and the entire management of the local debate is

in the hands of the Committee and the team concerned.

The work of the Debating League in the fall term counts as a one hour course in English.

The work of the teams who represent the college in intercollegiate debates counts as a two hour course in English.

JUNIOR ORATORICAL CONTEST

During Commencement Week, the College holds a Junior Oratorical Contest open to all who enter the Junior class not later than the winter term and are in college for three sessions preceding the contest; the contest is under the rules below:

1. No oration shall exceed 1,500 words in length.
2. Three typewritten copies of the orations must be in the hands of the Faculty for submission to the judges, fifteen days before the contest.
3. The decision of the judges is based equally on thought, style and delivery.
4. The orations, when received, are numbered and then handed to the judges for rating on thought and style, the names of contestants not being known to the judges.
5. Three judges are chosen by the Faculty, who shall hand their decisions in writing without conference.
6. The contest is limited to six orators, chosen by a preliminary contest under the above rules held in the month of April.
7. The prizes are: First place, \$25; second place, \$15; third place, \$10.

The result of the 1914 contest was:

1st prize: S. W. Pringle.

2nd prize: W. L. Moser.

3rd prize: H. A. Gearhart.

GRADUATE DEGREES

During the summer term, there is a special department of philosophy, offering courses leading to the degree of Doctor of Philosophy in philosophy. In addition to the work in this department, the various departments of the College (page 43) offer work leading to the masters' degrees. The requirements for the graduate degrees are stated below. As the work for the graduate student is largely of special character depending on the nature of his aim and previous training there is no mention made of graduate courses in lists of courses in the majority of the departments (pages 52 to 96).

REQUIREMENTS FOR THE MASTERS DEGREE

The possession of baccalaureate degree (A. B., Litt. B., Ph. B. or B. S.) or what the Committee on the Course of Study regard as the equivalent, is essential.

Every candidate, when admitted and before entering on the course of study, is required to pay a matriculation fee of \$5.00.

Each candidate for the degree is required to take the equivalent of four courses of study of three hours per week, each term. These are to be distributed as follows: Three-fourths of the work in a single department, the remaining fourth may be outside the chosen department. Three-fourths of the work must be of post-graduate rank, the remaining fourth may consist of prescribed under-graduate courses of senior rank.

The work of the candidate may not fall below honor rank (A or B). In case the candidate's work falls below this standard, he may be assigned additional work or may be required to abandon the work, at the discretion of the Committee on the Course of Study. The tests at the close of the courses are regarded as tests of proficiency not as final examinations.

A thesis on a subject growing out of the student's main line of study, is required. The subject for this thesis is chosen in consultation with the head of the department and must manifest ability to carry on original research. The thesis is to be typewritten with black record ribbon, double space, on good quality paper of letter size, $8\frac{1}{2}'' \times 11''$. There is to be a margin of $1\frac{1}{2}''$ at the left hand edge and $1''$ on the other three sides. When handed in, the thesis becomes the property of the College. It is to be handed in not later than April 20th and when accepted the candidate is admitted to the final written examination held on or before the 20th day of May.

The following plans of study are open to candidates for the Master's degree:

Plan A.

A full collegiate year of resident study is required. The subject for the thesis is to be selected not later than December 1st. The candidate is required to pay the following fees:

Matriculation fee	\$ 5.00
For each term, \$25.00	75.00
For final examination and diploma.....	15.00
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Total.....	\$95.00

Plan B.

Open to those who cannot pursue the entire course in resident study. Two summer terms in residence are required. During the interval between the two terms, the candidate is required to carry on non-resident reading or research work under the direction of the department in which his major work has been taken. The candidate is required to pay the following fees:

Matriculation fee	\$ 5.00
For each summer term in residence (\$30.00).....	60.00

For non-resident interval	10.00
For final examination and diploma	15.00
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Total.....	\$90.00

The fee for final examination and diploma is to be paid after the examination and before the conferring of the degree. All other fees are payable in advance.

When the candidate has complied with all the conditions, he is recommended for the Master's degree which is conferred on him in person at the following Commencement.

REQUIREMENTS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY IN PHILOSOPHY

The possession of a baccalaureate degree (A. B., Litt. B., Ph. B., or B. S.) or what the Committee on the Course of Study regard as the equivalent, is essential.

Every candidate, when admitted and before entering on the course of study, is required to pay a matriculation fee of \$10. The candidate is required to attend three summer terms and to take the equivalent of four courses of study, three hours per week, in the Department of Philosophy each term. Between the first and second terms, and between the second and third terms the candidate is required to read and report on reading assigned by the department. The tests at the ends of the courses are considered as tests of proficiency, not as final examinations.

The work of the candidate may not fall below hon-or grade (A or B). In case the candidate's work falls below this standard, he may be required to do additional work or to abandon the course, at the discretion of the Committee on the Course of Study.

During the third term in residence, the candidate is required to choose in consultation with the head of the department the subject for a thesis, which grows out of the

candidate's main line of work and must be of conspicuous merit showing originality and independence of thought, thorough investigation and research. The thesis is to be typewritten with black record ribbon, double space, on good quality paper of letter size, 8½"x11". There is to be a margin of 1½" at the left hand edge and 1" on the other three sides. The thesis, when accepted, becomes the property of the College. It is to be handed in not later than the 1st of April following the third session. When the thesis has been accepted, the candidate is admitted to the final oral examination which is held at Grove City on or before May 20th. The candidate is required to pay the following fees:

Matriculation fee	\$10.00
For each resident term (\$30.00)	90.00
For each non-resident interval (\$10.00)	20.00
For final examination and diploma	20.00
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Total.....	\$140.00

The fee for final examination and diploma is to be paid after the examination and before the conferring of the degree. All other fees are payable in advance.

When the candidate has complied with all the conditions, he is recommended for the degree of Doctor of Philosophy in philosophy, which is conferred on him in person at the following Commencement.

Though the requirements for the degree of Doctor of Philosophy in philosophy are greater than those for the degree of Master of Arts in philosophy, the failure to fulfill the requirements for the higher degree does not entitle the candidate to receive the lower degree. The candidate is required to choose between the two degrees at the time of matriculation.

DEPARTMENTS OF INSTRUCTION

On the following pages is given an account of the work done in each course in the various departments. The courses are numbered as follows: Freshman courses, 11 to 19; Sophomore courses, 21 to 29; Junior courses, 31 to 39; Senior courses, 41 to 49; Graduate courses, above 50. The courses are regularly taught, as follows: In the fall term, courses 11, 15, 21, 25, 31, 35, 41, 45, 51, 55; in the winter term, courses 12, 16, 22, 26, 32, 36, 42, 46, 52, 56; in the spring term, courses 13, 17, 23, 27, 33, 37, 43, 47, 53, 57; in the summer term, courses 14, 18, 24, 28, 34, 38, 44, 48, 54, 58. Some courses are repeated other terms; this is particularly true in the summer term.

Following the description of each course is given the name of the text used, the titles of courses, which are requisite to the work of the course, and statement of the credit given for the course. In all courses an equivalent text may be substituted for the one named.

DEPARTMENT OF PHILOSOPHY AND EDUCATION

Philosophy: President Ormond; Professor Calder.
Psychology and Education: Professor Henderson.

PHILOSOPHY

Philosophy 31. History of Philosophy, first term.
A study of the ancient schools. Cushman: A Beginner's
History of Philosophy, Volume 1. Credit 3 hours
Professor Calder

Philosophy 32. History of Philosophy, second term.
A study of the modern schools. Cushman: A Begin-
ner's History of Philosophy. Volume 2. Credit, 3 hours.
Professor Calder.

Philosophy 33. Logic. A course covering the doc-
trine of the concept, the judgment, the syllogism, in-
ductive and deductive methods of reasoning, and, in gen-
eral, the nature and the laws of thought. Taylor: Ele-
ments of Logic (Psychology 31 and 32). Credit 3 hours.
Professor Calder.

Philosophy 35. Introduction to Philosophy. Lec-
tures accompanied with textbook work, with library
references and readings. Fletcher: Introduction to
Philosophy. (Psychology 32 and Philosophy 33 are ad-
vised). Credit 3 hours.
President Ormond.

Philosophy 36. Epistemology. Lectures covering the
general theory of knowledge. Ormond: Foundations
of Knowledge, and, Bowne: Theory of Thought and
Knowledge. (Psychology 32 and Philosophy 35 are ad-
vised) Credit, 3 hours.

Philosophy 41. Sociology, Social Ethics. An introduction to the study of society and modern social problems. Ellwood: Modern Social Problems.

Credit, 2 hours.

Professor Calder.

Philosophy 43. Ethics. A constructive study of ethical theory with an account of its metaphysical basis, together with a criticism of the great historical schools such as Kantian, Ethics, Intuitionism, Hedonism, Utilitarianism, Evolutionary Ethics. D'Arcy: Ethics. (Psychology 32).

Credit, 3 hours.

Professor Calder.

Philosophy 47. Metaphysics. Lectures treating of ontology, cosmology, and the general theory of reality. Ketler: Studies in Metaphysics, and Taylor: Metaphysics. (Philosophy 32 and either 35 or 36).

Credit, 3 hours.

President Ormond.

PSYCHOLOGY

Professor Henderson.

Psychology 31. General Psychology, first term. A study of the senses and intellect. Angell: Psychology. Credit, 3 hours.

Psychology 32. General Psychology, second term. A study of the feelings and will. Angell: Psychology. (Psychology 31). Credit, 3 hours.

Psychology 33. Genetic Psychology. A study of the phenomena of growth and development. Kirkpatrick: Genetic Psychology. (Psychology 32). Credit, 3 hours.

Psychology 37. Educational Psychology. A study of the science of education, or the scientific foundations of the art of teaching, in so far as that science or those foundations are concerned with psychology. Horne: Psychological Principles of Education. (Psychology 32). Credit, 3 hours.

Psychology 43. Social Psychology. A study of the nature of the social mind, and its products. Ross: Social Psychology. (Psychology 32). Credit, 2 hours.

EDUCATION

Professor Henderson.

Education 31. History of Education, first term. An introductory study of the leading national movements and educators. Monroe: A Textbook in the History of Education; Primitive Peoples to the Middle Ages.

Credit, 3 hours.

Education 32. History of Education, second term. A continuation of Education 31. Monroe: A Textbook in the History of Education; Middle Ages to the Present Time. (Education 31 is advised). Credit, 3 hours.

Education 35. History of Secondary Education. A study of the historical development of the high school, for the purpose of giving a proper perspective for the consideration of present constructive problems. Brown: The Making of Our Middle Schools. (Education 31, or Education 32) Credit, 2 hours.

Education 36. General Methods. A study of the fundamental principles of class management and of the technique of class instruction, with special reference to the secondary school. Credit, 2 hours.

Education 41. Principles of Education. A study of the fundamental principles which underly a thorough system of education. Ruediger: Principles of Education. Credit, 2 hours.

Education 42. Principles of Secondary Education. A study of the special problems characteristic of the high school, and the relation of these problems to the general principles of education. Monroe: Principles of Secondary Education. (Education 41 is advised)

Credit, 3 hours.

Education 43. Philosophy of Education. A study of the interrelated forces in the field of education, to give a comprehensive view of the educational situation. Horne: Philosophy of Education. Credit, 2 hours.

Education 45. High School Education. A study of the courses of the high school program of study, for the purpose of determining their educational value. Johnston: High School Education. Credit, 2 hours.

Education 46. Social Principles of Secondary Education. A study of the problems of the high school with especial reference to modern social demands and their specific adjustments. Johnston: The Modern High School. Credit, 2 hours.

Education 47. High School Supervision. A study of the essential features of school management, with special reference to the problems of the high school. Hollister: High School Supervision. Credit, 2 hours.

DEPARTMENT OF HISTORY, ECONOMICS AND POLITICS

Assistant Professor Brown.

HISTORY

History 21. Mediaeval History. A survey of Europe from the fall of Rome to the Protestant Reformation. Robinson: History of Western Europe.

Credit, 3 hours.

History 22. Modern History. A continuation of History 21, beginning with the Protestant Reformation and extending through the French Revolution. Robinson: History of Western Europe. (History 21)

Credit, 3 hours.

History 23. Nineteenth Century History. A continuation of History 22, beginning with European reconstruction in 1815, and extending to the present time. This course will include colonial expansion, the unification of Italy, the formation of the German Empire, and modern social and diplomatic problems. Hazen: History of Europe in the Nineteenth Century. (History 22)

Credit, 3 hours.

History 42. American History, first term. Constitutional, political and economic history of the United States from the earliest colonies to the formation of the constitution.

Credit, 3 hours.

History 43. American History, second term. A continuation of History 42, extending from the formation of the constitution to the present time. Reference work. (History 42 is advised)

Credit, 3 hours.

ECONOMICS

Economics 31. A general introductory course. Saeffer: Principles of Economics.

Credit, 3 hours.

Economics 32. A continuation of Economics 31. Saeger: Principles of Economics. (Economics 31)
Credit, 3 hours.

Economics 33. Taxation. A survey of the general field of taxation with special work in some current problems, such as, the single tax, the income tax and the corporation tax. Reference work. (Economics 31 and 32)
Credit, 3 hours.

POLITICS

Political Science 41. A study of the origin forms and development of the state, and a survey of the modern European governments. Ogg: European Governments.
Credit, 3 hours.

International Law 42. A general study of the principles and development of international law. Wilson and Tuckers: Principles of International Law.
Credit, 3 hours.

International Law 43. A special study of cases and treaties involving relations and complications. Reference work. (International Law 42) Credit, 3 hours.

DEPARTMENT OF ENGLISH

English: Assistant Professor Cline; Assistant Professor Doxsee.

The Bible: Professor Calder; Professor Henderson.

Oratory: Miss Griffin.

ENGLISH

English 11. Composition and Rhetoric, first term. A textbook is used as a basis for class room work, together with selections from various authors. The principles of composition and rhetoric are derived from the study of the text and selections. Frequent papers are required in the course. The work is carried on in small sections so that the individual student may receive close attention. Herrick and Damon: Composition and Rhetoric. 2 periods per week.

English 11 and Oratory 11 are combined as one course. Credit, 3 hours.

The various sections in English 11 are taught by Professor Cline and Professor Doxsee.

English 12. Composition and Rhetoric, second term. A continuation of English 11. 2 periods per week.

English 12 and Oratory 12 are combined as one course. Credit, 3 hours.

English 13. Composition and Rhetoric, third term. A continuation of English 12. The work of English 13 is largely argumentation. 2 periods per week.

English 13 and Oratory 13 are combined as one course. Credit, 3 hours.

English 15, English 16 and English 17 are courses paralleling English 11, English 12 and English 13, respectively. They meet three times per week and are planned for Conditional Freshmen and others whose work

in composition shows insufficient preparation for English 11, 12 and 13. These courses are combined with Oratory 15, Oratory 16 and Oratory 17, respectively, as single courses, each combined course giving a credit of four hours. Three terms of rhetoric and oratory are required of all Freshman.

English 31. History of English Literature, first term. An outline of the history of English Literature with classroom reading and discussion of representative works illustrative of various types and periods of the literature. Newcomer: English Literature, and Manly: English Prose and English Poetry. (English 13 or English 17)

Credit, 3 hours.

Professor Doxsee.

English 32. History English of Literature, second term. A continuation of English 31. (English 31)

Credit, 3 hours.

Professor Doxsee.

English 33. History English of Literature, third term. A continuation of English 32. (English 32)

Credit, 3 hours.

Professor Doxsee.

These courses, English 31, English 32 and English 33, are planned to meet the English literature requirement for the various degrees. They are essential to successful work in any of the later courses in literature.

English 35. Pre-Shakespearean Drama. An historical study of representative plays of the most prominent dramatists prior to Shakespeare. Interludes, morality plays and miracle plays are studied. (English 33)

Credit, 3 hours.

Professor Cline.

English 36. Shakespearean Comedy. A study of representative ones of Shakespeare's Comedies. (English 33)

Credit, 3 hours.

Professor Cline.

English 37. Shakespearean Tragedy. A study of the four great tragedies of Shakespeare: Hamlet, King Lear, Othello and Macbeth. (English 33) Credit, 3 hours.
Professor Cline.

English 41 A. Milton. A study of the poetical works of John Milton, with assigned reading, class discussion and lectures. (English 33). Taught in 1914-15.

Credit, 3 hours.
Professor Doxsee.

English 42 A. English Poetry, 1789-1832. A study of the poetical works of Burns, Wordsworth, Coleridge, Scott, Byron, Shelly, Keats. (English 33). Taught in 1914-15.

Credit, 3 hours.
Professor Doxsee.

English 43 A. English Poetry. A continuation of English 42 A. (English 42 A). Taught in 1914-15.

Credit, 3 hours.
Professor Doxsee.

English 41 B. Victorian Prose. A study of the works of Carlyle, Ruskin, Arnold, Newman, Huxley. (English 33). Taught in 1915-16.

Credit, 3 hours.
Professor Doxsee.

English 42 B. The Victorian Novel. A study of Dickens, Thackeray, George Eliot, Stephenson, Hawthorne. (English 33; English 41B is advised). Taught in 1915-16.

Credit, 3 hours.
Professor Doxsee.

English 43 B. American Poetry. A study of Longfellow, Whittier, Emerson, Holmes, Lowell. (English 33). Taught in 1915-16.

Credit, 3 hours.
Professor Doxsee.

English 45 A. Old English, first term. A grammatical and phonological study of Old English with readings from Old English prose and poetry. Smith: Old

English Grammar. (English 33). Taught in 1914-15.
Credit, 3 hours.
Professor Cline.

English 46 A. Old English, second term. A continuation of English 45 A. Many selections from Old English literature are read. Smith: Old English Grammar. (English 45 A). Taught in 1914-15.

Credit, 3 hours.
Professor Cline.

English 47 A. Middle English. A study of the period of Middle English with the main emphasis placed upon Chaucer. (English 33; English 45 A and 46 A are advised.) Taught in 1914-15.

Credit, 3 hours.
Professor Cline.

English 45B. Victorian Poetry, first term. The principal poems of Robert Browning are studied. Taught in 1915-16.

Credit, 3 hours.
Professor Cline.

English 46 B. Victorian Poetry, second term. A study of the principal poems of Tennyson, Arnold, Rossetti, Morris and Kipling. Taught 1915-16.

Credit, 3 hours.
Professor Cline.

English 47 B. Essayists of the early nineteenth century. Taught 1915-16.

Credit, 3 hours.
Professor Cline.

THE BIBLE

Bible 21. Old Testament History: the Hebrew Patriarchs and the early Founders of the Nation. A study of the books from Genesis to Ruth, in the light of corroborative testimony from other sources.

Credit, 2 hours.

Professor Calder.

Bible 22. Old Testament History: the Hebrew Monarchy, the Exile, and the Restoration. The histori-

cal books from Samuel to Esther will be studied, supplemented by historical data from the prophets and outside sources.

Credit, 2 hours.

Professor Calder.

Bible 23. The Hebrew Prophets: An introduction to the study of Prophecy, with the special study of one or more of the books of the Major Prophets.

Credit, 2 hours.

Professor Calder.

Bible 31. The Life of Christ. Stevens and Burton: Harmony of the Gospels.

Credit, 3 hours.

Professor Henderson.

Bible 32. The Apostolic Church; the history of the Acts and Epistles, with a special study of selected Epistles. Burton: Records of the Apostolic Age.

Credit, 3 hours.

Professor Henderson.

Bible 33. A History of the English Bible, including manuscripts and versions. Biblical problems. Smythe: How we got our Bible.

Credit, 3 hours.

Professor Henderson.

ORATORY

Miss Griffin.

Oratory 11. Interpretation and presentation of literature. Exercises for freeing the body and the voice. Emerson: Evolution of Expression. 2 periods per week.

Oratory 11 and English 11 are combined as one course.

Credit, 3 hours.

Oratory 12. A continuation of Oratory 11. 2 periods per week.

Oratory 12 and English 12 are combined as one course.

Credit, 3 hours.

Oratory 13. A continuation of Oratory 12. 2 periods per week.

Oratory 13 and English 13 are combined as one course. Credit, 3 hours.

Oratory 15, Oratory 16 and Oratory 17 are courses paralleling Oratory 11, Oratory 12 and Oratory 13, respectively. They meet twice a week and are combined with English 15, English 16 and English 17, as single courses, each combined course giving a credit of 4 hours. Three terms of Oratory and Rhetoric are required of all Freshmen.

Oratory 21. Advanced Oratory. Attention is paid to detail work. Public recitals are given by the students in the course. Emerson: Sixteen Perfective Laws of Art. (Oratory 13). Two periods per week.

Credit, 1 hour.

Oratory 22. A continuation of Oratory 21. Two periods per week.

Credit, 1 hour.

Oratory 23. A continuation of Oratory 22. Two periods per week.

Credit, 1 hour.

Oratory 31. Dramatics. The study and presentation of a selected play, such as Hamlet, As You Like It, the Rivals. (Oratory 13). Two periods per week.

Credit, 1 hour.

Oratory 32. A continuation of Oratory 31. Two periods per week.

Credit, 1 hour.

Oratory 33. A continuation of Oratory 32. Two periods per week.

Credit, 1 hour.

Oratory 41. The Oration. Interpretation and presentation of extracts from famous orations and noted addresses. Each student will be required to deliver, publicly, an original oration. Clark and Blanchard: Practical Public Speaking. (Oratory 23, or, Oratory 33). Two periods per week.

Credit, 1 hour.

Oratory 42. A continuation of Oratory 41. Two periods per week. Credit, 1 hour.

Oratory 43. A continuation of Oratory 42. Two periods per week. Credit, 1 hour.

Oratory 45. Extemporaneous Speaking. Practice on all phases of this form of public speaking. (Oratory 43). Two periods per week. Credit, 1 hour.

Oratory 46. A continuation of Oratory 45. Two periods per week. Credit, 1 hour.

DEPARTMENT OF CLASSICAL LANGUAGES

Latin: Professor Calderwood; Associate Professor White.

Greek: Professor Oliphant; Miss Person.

Sanskrit: Professor Oliphant.

Archeology: Professor Oliphant.

LATIN

Latin 11. Cicero: De Senecute, and, De Amicitia. A study of the text, with reference to the grammar, contemporary history and philosophic thought. Chase and Stuart's edition is used. (Latin, 4 units)

Credit, 3 hours.

Professor Calderwood.

Latin 12. Latin Composition. A thorough review of grammar and vocabulary. Bennett: Latin Composition. (Latin, 4 units)

Credit, 3 hours.

Professor Calderwood.

Latin 13. Livy, Book XXI. Books I, II, or XXII may be substituted for Book XXI. (Latin, 4 units)

Credit, 3 hours.

Professor Calderwood.

Latin 14. Latin Composition. A course similar to Latin 12 taught in the summer term. Arnold: Latin Composition. (Latin, 4 units)

Credit, 3 hours.

Professor Calderwood.

Latin 21A. Plautus: Captivi et Trinummus. (Latin 11, or equivalent). Taught in 1914-15.

Credit, 3 hours.

Professor White.

Latin 21B. Terence: Phormio, and selections. A study of the Latin Drama. (Latin 11, or equivalent). Taught in 1915-16.

Credit, 3 hours.

Professor White.

Latin 22. Tacitus. Annals, Book 1, and contemporary history. (Latin 11 or equivalent) Credit, 3 hours.

Professor White.

Latin 23. Horace. Selections from the odes, epodes and satires, with a study of metre. (Latin 11, or equivalent) Credit, 3 hours.

Professor White.

Latin 24. Ovid. Selections. Miller's text is used. Credit, 3 hours.

Latin 31A. Social Life at Rome. A study of Fowler's text (Social Life at Rome) with supplementary reading and thesis. (Latin, 4 units, and Ancient History 1 unit). Taught in 1914-15. Credit, 2 hours.

Professor Calderwood.

Latin 31B. Roman Political Institutions. Abbott's text with supplementary reading and thesis. (Latin 4 units, and Ancient History 1 unit). Taught in 1915-16. Credit, 2 hours.

Professor Calderwood.

Latin 32. Quintilian. Selections from Books X and XII. Discussion of Latin writers. (Latin 11) Credit, 2 hours.

Professor Calderwood.

Latin 33. Advanced Composition. Arnold: Latin Composition. (Latin 12) Credit, 2 hours.

Professor Calderwood.

Latin 34. Cicero: De Officio. Book 1 Rockwood Edition. Credit, 2 hours.

Professor Calderwood.

Latin 41. Cicero's Letters. Selected letters. Abbott's Edition. (Latin 11, 12 and 13.) Credit, 2 hours.

Professor Calderwood.

Latin 42. Suetonius. Selections from the Lives of the Caesars. Pike's Edition. (Latin 11, 12 and 13)

Credit, 2 hours.

Professor Calderwood.

Latin 43. Vergil. Rapid reading in selected portions from Books VII to XII of Vergil's Aeneid. (Latin 11, 12 and 13)

Credit, 3 hours.

Professor Calderwood.

GREEK

Undergraduates of marked proficiency may be admitted to courses 51 to 57. These courses will be conducted largely as seminars. Any one of them may be extended to two terms for more intensive work. Courses in such other fields as Greek Historiography, Romance, Dialectology, Papyrology, Byzantine Authors, Modern Greek, Historical Syntax, Comparative Philology, including Phonology, Morphology, Etymology and Semasiology, may be substituted, if much preferred.

Greek 11. The Elements of Greek. This course is for those who begin the study in college. It aims to secure a thorough mastery of the principal inflections, a careful study of the leading principles of syntax, the acquisition of a small but efficient vocabulary and a facility in reading and writing easy sentences in Greek. Due attention is given to cognate and derivative words and to comparison with Latin morphology and with Latin and English syntax. White: First Lessons in Greek. (Latin, 2 units)

Credit, 5 hours.

Greek 12. The Elements of Greek. This continues Course 11 and concludes with a special review of irregular verbs and a study of word composition. (Greek 11)

Credit, 5 hours.

Greek 13. Xenophon: Anabasis, Book 1. There is a rigid insistence upon an adequate and idiomatic translation and an accurate understanding and interpre-

tation of the text. As an important ancillary, especial emphasis is laid upon the syntax of the case, mood, tense and participle. (Greek 13) Credit, 5 hours.

Greek 21. Xenophon: Anabasis, Book II, and Prose Composition. To the studies emphasized in Course 13 is now added a special consideration of the outstanding stylistic features of Book II, as a propaedeutic to the student's later training in literary appreciation. About half the term is given to prose composition. (Greek 13) Credit, 5 hours.

Greek 22. Xenophon: Anabasis, Books III and IV. This includes a study of Xenophon as man, commander and author, of the historical importance of the expedition, Hellenic tactics, etc. (Greek 21). Credit, 5 hours.

Greek 23. Homer: Iliad. Books I and II, and selections from others, with due attention to the language, verse and poetic qualities of Homer. (Greek 22) Credit, 5 hours.

Courses 11, 12, 13, 21, 22, are taught each of the four terms by either Professor Oliphant or Miss Person.

The following courses are taught 1914-15. All courses numbered higher than 34 are taught by Professor Oliphant.

Greek 31A. Herodotus: Selections. A reading of considerable portions of his Historia with a review of the origin of historical composition among the Hellenes and a study of the Ionic dialect. (Greek 22)

Credit, 3 hours.

Miss Person.

Greek 32A. Plato: Apology and Crito. A study of the life of Socrates. (Greek 22) Credit, 3 hours.

Miss Person.

Greek 33A. Homer. Odyssey. Selections from Books I to XII. (Greek 23) Credit, 3 hours.

Miss Person.

Greek 34A. Xenophon: *Hellenica* or *Memorabilia*.
(Greek 22) Credit, 3 hours.

Greek 35A. Xenophon: *Minor Works*, usually the
Oeconomicus, *Hiero* or *Agesilaus*. (Greek 22)
Credit, 2 hours.

Greek 36A. Greek Prose Composition. The writ-
ing of connected discourse in Greek and study of Greek
and English idiom. (Greek 22) Credit, 2 hours.

Greek 37A. Euripides: *Alcestis* or *Ion*. (Greek 23)
Credit, 2 hours.

Greek 38A. Cebes: *Pinax* and *Dion Chrysostomus*:
Hunters of Euboea, or equivalents. (Greek 22)
Credit, 2 hours.

Greek 41A. Plutarch: *Life of Pericles*. A study of
the "Golden Ages of Athens." (Greek, 6 hours among
courses 31-38) Credit, 3 hours.

Greek 42A. Sophocles: *Oedipus Tyrannus*, *Antig-*
one. The Greek Theatre: *Origin of Tragedy*. (Same
as for 41A) Credit, 3 hours.

Greek 43A. Aristophanes: *Frogs*, *Wasps*. *Or-*
igin of Comedy. (Greek 41 or 42) Credit, 3 hours.

Greek 44A. Theocritus: *Idylls*. Influence on later
pastoral poetry. (Same as for 41A) Credit, 3 hours.

Greek 45A. Sophocles: *Ajax*, *Electra* or *Phil-*
octetes. (Same as 41A) Credit, 2 hours.

Greek 46A. New Testament: *Gospels*. (Two cours-
es from among Greek 41-45) Credit, 2 hours.

Greek 47A. New Testament: *Selected Pauline*
Epistles. (Two courses from among Greek 41-46)
Credit, 2 hours.

Greek 48A. New Testament: *Acts*. (Two courses
from among Greek 41-47) Credit, 2 hours.

The following courses are taught 1915-16:

Greek 31B. Lysias: Selected Orations. Lysias, exemplar of the "Plain Style," illustrates the straight-forward, practical oratory. (Greek 22) Credit, 3 hours.

Greek 32B. Plato: Phaedo. A study of the greatest teacher of Hellenism on the loftiest and universally interesting subject, the immortality of the soul. (Greek 22) Credit, 3 hours.

Greek 33B. Homer: Odyssey, Selections from Books XIII-XXIV. (Greek 23) Credit, 3 hours.

Greek 34B. Thucydides: Selections on the Sicilian Expedition. (Greek 22) Credit, 3 hours.

Greek 35B. Plato: Minor Dialogues. Usually Charmides, Laches, Lysis, Euthyphro, Ion or Menexenus. (Greek 22) Credit, 2 hours.

Greek 36B. Greek Prose Composition. A course parallel to Greek 36A and alternating with it. (Greek 22) Credit, 2 hours.

Greek 37B. Euripides: Bacchae or Medea. (Greek 23) Credit, 2 hours.

Greek 38B. Anthology of Hellenic Prose. Selections from Wright and Shadwell's Golden Treasury or similar works. (Greek 22) Credit, 2 hours.

Greek 41B. Lucian: Selections from Vera Historia and Dialogues, illustrative of Lucianic fun and mischief, mastery of satire and modern spirit. (Same as for 41A) Credit, 3 hours.

Greek 42B. Aeschylus: Prometheus Vincit, Agamemnon. (Same as for 41A) Credit, 3 hours.

Greek 43B. Aristophanes: Birds, Clouds. (Greek 41 or 42) Credit, 3 hours.

Greek 44B. Attic Orators: Selections illustrative of various "styles" and authors. (Same as for 41A) Credit, 3 hours.

Greek 45B. Elegiac, Iambic and Lyric Poets: Selected poems and fragments. (Same as for 41A)

Credit, 2 hours.

Greek 46B. New Testament: Catholic and General Epistles. (Two courses from among Greek 41-45)

Credit, 2 hours.

Greek 47B. Septuagint: Selections. (Two courses from among Greek 41-46)

Credit, 2 hours.

Greek 48B. New Testament: Selections. (Two courses from among Greek 41-47)

Credit, 2 hours.

Greek 51. Melic Poets: Selections. The principal fragments of the great lyric poets, Alcman, Alcaeus, Sappho, Anacreon, Simonides, Stesichorus, etc., with longer selections from Pindar and Bacchylides. Also a study of lyric metres. (Greek 42 or equivalent)

Credit, 3 hours.

Greek 52. Greek Drama: Selected Plays and Fragments. A study of the dramatic authors and their art. (Greek 42 or equivalent)

Credit, 3 hours.

Greek 53. Greek Epigraphy and Palaeography. A number of inscriptions in different dialects and alphabets may be read from facsimile copies. Photographic reproductions of papyri and manuscripts will be used for the work in palaeography. (Greek 51 or 52)

Credit, 3 hours.

Greek 55. Greek Oratory: Demosthenes's De Corona and illustrative selections from other orators and from the literary critics, especially Dionysius Halicarnassus. (Greek 51 or 52)

Credit, 3 hours.

Greek 56. Greek Philosophy. The fragments of pre-Socratic philosophy may be read in Ritter and Preller and selections from Aristotle's Nicomachean Ethics or Plato's Republic. (Greek 51-52)

Credit, 3 hours.

Greek 57. Greek Literature. A survey of the literature from Homer to the Alexandrian Age, with illustrative readings in prose and verse. (Greek 51 or 52)

Credit, 3 hours.

SANSKRIT AND INDO-EUROPEAN PHILOLOGY

Sanskrit 41-43. The Elements of Sanskrit. The essentials of the grammar and the reading in Devanagari of such texts as the Nala Episode from the Mahabharata, the Hitopadeca, the Katha-Sarit-Sagara, the Manava-Dharma-Castra, the Pancatantra, etc. (At least 2 years in each of 2 foreign languages, preferably Latin and Greek)

Credit, 3 hours.

Sanskrit 45-46. The Rig Veda and the Atharva Veda: Selected hymns. The sacred literature of ancient India and the earliest monuments of Indo-European speech. Invaluable to the student of philology, comparative literature, comparative religion, folklore, etc. (Sanskrit 43)

Credit, 3 hours.

Sanskrit 47. Vedic Prose: Selections from the Catapatha Brahmana, Aitareya Brahmana, Chandogya Upanishad, Acvalayana Grihya Sutra, etc. (Sanskrit 41-43)

Credit, 2 hours.

Sanskrit 49. Sanskrit Drama: The Cakuntala of Kalidasa—the most admired work of “India’s Shakespeare.” (Sanskrit 41-43)

Credit, 2 hours.

Pali 51-52. The essentials of Pali grammar and readings from the Dhammapada, Cullavagga, Petavatthu, Mahavagga, Jatakas, etc. (Sanskrit 45-46)

Avestan 51-52. The essentials of the grammar and readings from the Scriptures of Zaratushtira (Zoroaster), the Yasna, Yashts and Vendidad. Valuable for philology and comparative religion. (Sanskrit 45 and 46.)

Credit, 3 hours.

Lithuanian 51-52. The grammar and readings from the Lithuanian New Testament, the poems of Donalitiūs, the Dainos (folk-songs) and Pasukos (Maerchen). Valuable for philology, folklore, etc. (Sanskrit 41-43)

Credit, 3 hours.

Philology 55-57. Comparative Philology of the Indo-European Speech. The Indo-European vowels, consonants, morphology, suffixes, etc., illustrated from the whole range of Indo-European speech. This course will be accompanied by an account of the early Indo-Europeans, their civilization, etc., and a survey of the Indo-European languages. (Sanskrit 43) Credit, 2 hours.

The foregoing courses will be given by the Greek department at any time that the demand may justify it, to those students of marked linguistic ability who desire them as a propaedeutic to teaching the Classics or for the cultural value to be derived from such extension of linguistic and literary knowledge. Courses 41-43 and 55-57 are of great value to any student intending to teach any language, even his own.

ARCHAEOLOGY

Archaeology 41A. Hellenic Archaeology. A study of the architecture, sculpture, terracottas, metal work, coins, engraved gems, vases, mosaics, etc., of ancient Hellas. Fowler and Wheeler: Greek Archaeology. (90 hours of college work). Taught in 1914-15.

Credit, 3 hours.

Archaeology 42A. Hellenic Archaeology. A continuation of 41A, together with a study of the topography, monuments and public antiquities of Athens as described by Pausanias. Fowler and Wheeler: Greek Archaeology. Frazier: Pausanias. (Archaeology 41A).

Credit, 3 hours.

Archaeology 41B. Hellenic Private Life. A study of the private life of the Hellene from the cradle to

the grave, including childhood, education, food, dress, marriage, condition of woman, house and furniture, amusements, religion, slaves, funeral and burial customs, etc. (90 hours of college work). Taught in 1915-16. Credit, 3 hours.

Archaeology 42B. Hellenic Public Life. A study of the public life of the Hellene, including politics, government, revenues, finance, manufactures, industries, trusts, commerce, exports and imports, insurance, wages, prices, interest, army, navy, fortifications, town planning, public buildings, parks, national games, international arbitration, courts of justice, public charities, professions, urban and rural life, etc. (Archaeology Taught in 1914-15. Credit, 3 hours.

DEPARTMENT OF MODERN LANGUAGES

German: Professor Caruthers.

Romance Languages: Mr. Barnes.

GERMAN

Those students who offer German as a language for a degree must offer nine hours of German, beginning with German 15; the work of German 15 presupposes two years' previous training in German. This necessary previous training is covered by German, 2 units, by German, 1 unit and Courses 11, 12, 13 or by German 25, 26, 27. Elementary German is taught as a preparatory subject.

German 11. Second year German, first term. German Grammar is thoroughly reviewed and a thorough drill is given in conversation and composition. Pope: Writing and Speaking German. (German, 1 unit)

Credit, 3 hours.

German 12. Second year German, second term. A continuation of German 11. Easy translation is added to the work in Grammar, Composition and Conversation. "Höher als die Kirche." (German 11)

Credit, 3 hours.

German 13. Second year German, third term. A continuation of German 12. In addition to the work of translation in Schiller's "Wilhelm Tell," much work in prose composition is done. (German 12)

Credit, 3 hours.

German 15. Prose Composition. Composition, conversation are systematically practiced. Bacon: Prose Composition. (German 13 or German, 2 units)

Credit, 3 hours.

During the first two weeks the students in German 15 are examined in conversation, composition and general knowledge of grammar. Those whose work in this test shows insufficient preparation for the course are required to substitute German 11 for German 15. It is understood that in such cases German 11 does not count toward the nine hours of German required for the degree.

German 16. Survey of German Literature. Priest: Survey of German Literature. (German 13, or, German, 2 units; German 15 is advised) Credit, 3 hours.

German 17. Short story course. (German 15) Credit, 3 hours.

German 21. Schiller, "Jungfrau von Orleans," "Maria Stuart," and selected poems are translated in class. Thomas: Life of Schiller, and "Kabale und Liebe" are assigned for outside reading. (German 15) Credit, 3 hours.

German 22. Conversation and Advanced Prose. Pope: Advanced German Composition. (German 15) Credit, 3 hours.

German 23. Schiller. "Wallenstein," parts of "Geschichte des Dreissigjaehrigen Kriegs." (German 16 and 17; German 21 is advised) Credit, 3 hours.

German 31. Goethe. "Hermann and Dorothea" is translated in class; "Goetz von Berlichingen" and Sime: Life of Goethe are assigned for outside reading. (German 15 and 17) Credit, 2 hours.

German 32. Goethe, continued. "Egmont," "Iphigenie" and selected poems are translated. (German 31) Credit, 2 hours.

German 33. Heine's Prose. Credit, 2 hours.

The Lessing Course may be substituted for Heine's Prose. "Minna von Barnhelm" and "Nathan der Weise"

are read in class, and Kiy: Lessing's Life and Works is assigned for outside reading. (German 23)

Credit, 2 hours.

German 36. Scientific German. The course aims to give a thorough drill in the German scientific terms. Hodges: Scientific German, and, Phillips: Chemical German. (German 17, Chemistry 13 and Physics 23)

Credit, 3 hours.

Professor Sieplein.

German 36 is an elective course. It may not be substituted for German 15, 16 or 17, required for the degree.

German 41. Faust—part 1. (German 23)

Credit, 2 hours.

German 42. Faust—part 2; or, Nineteenth Century Novel. A general study of the novelists and their classifications. (German 23)

Credit, 2 hours.

German 43. Das Niebelungen Lied; or, Nineteenth Century Drama. (German 23)

Credit, 2 hours.

German 25, German 26 and German 27 constitute a course of collegiate grade for students who have never studied German. It is aimed to cover work equivalent to two years of high school German, or, to Courses 1, 2 and 3 (page 102) and courses 11, 12, 13. On completion of this course, students are ready for German 15. At least, four years previous training in language is necessary to handle the work of this course. The class meets five times per week and gives a credit of 5 hours each term.

ROMANCE LANGUAGES

Mr. Barnes.

FRENCH

Those students who offer French as a language for the degree must offer nine hours of French beginning

with French 15; the work of French 15 requires two years previous training in French. This necessary previous training is covered by French, 2 units, or by French, 1 unit and French 11, 12 and 13.

French 11. Grammar, composition and reading. Fraser and Squair's grammar; "Colomba." (French 3)
Credit, 3 hours.

French 12. Continuation of French 11. "La Belle Nivernaise, "Madame Thérèse;" memorizing. (French 11)
Credit, 3 hours.

French 13. Continuation of French 12. "Les Misérables" (selections). (French 12) Credit, 3 hours.

French 15. Reading. "La Débâcle," "Contes Modernes." (French 11) Credit, 3 hours.

French 16. Continuation of French 15. "La Petite Fadette;" class room work and collateral reading; reports in French. (French 15) Credit, 3 hours.

French 17. Continuation of French 16. Seventeenth Century Prose. (French 16) Credit, 3 hours.

French 21. The classical drama. "Le Cid," "Andromaque." (French 15) Credit, 3 hours.

French 22. Continuation of French 21. "Les Precieuses Ridicules," "Le Médecin Malgré Lui;" themes and reports in French. (French 15) Credit, 3 hours.

French 23. Advanced Composition. (French 17)
Credit, 3 hours.

French 31. Rapid reading of representative modern fiction. Reports on limited fields. (French 23)
Credit, 2 hours.

French 32. Survey of French literature. An outline course treating of the main significant literary forms and movements. Lectures, class room work, reading and reports. (French 31) Credit, 2 hours.

French 33. Contemporary Literature. A course dealing mainly with the novel and the short story. Classroom work, collateral reading and reports. (French 32)
Credit, 2 hours.

French 41. Modern Lyric Poetry, dealing with the periods following the romantic movement. Leconte de Lisle, Prudhomme, Baudeclaire, Verlaine. The Oxford Book of French verse. (French 33) Credit, 2 hours.

French 42. The Modern Drama, lectures and assigned reading. Hugo, De Musset, Scribe, Augier, Dumas, Rostand, Hervieu. (French 33) Credit, 2 hours.

French 43. Composition, Conversation and Reading, based on nineteenth century prose writers representative of tendencies in contemporary thought. (French 42)
Credit, 2 hours.

ITALIAN

Italian 1, Italian 2, Italian 3, constitute an elementary course dealing with pronunciation, grammar and reading of simple prose. Five recitations per week. Credit for each course, 1-3 unit, or 3 hours. (Omitted in 1914-15).

ROMANCE PHILOLOGY

(Primarily for candidates for departmental honors).

Course 1. An introductory course dealing with the change of the Lingua Vulgaris into its dialects, Spanish, French, Italian and Portuguese. As a prerequisite the student should have completed five years of Latin, four years of French and have at least a reading knowledge of Spanish and Italian. Grandgent: Introduction to Vulgar Latin.
Credit, 2 hours.

Course 2. An introductory course in Provençal Bartsch: Chrestomathie Provençale. Credit, 2 hours

SPANISH

Spanish 11. Elementary Course. Manning: Grammar; Harrison: Reader; "El Pájaro Verde." Five recitations per week. (Latin, 4 units, and French, 2 units)

Spanish 12. A continuation of Spanish 11. "Cuentos Castellanos;" Memorizing. (Spanish 1). Five recitations per week. Credit, 5 hours.

Spanish 13. A continuation of Spanish 2. "Capitan Veneno." (Spanish 2). Five recitations per week. Credit, 5 hours.

Spanish 15. Reading and Composition. "Pedro Sanchez." (Spanish 3) Credit, 3 hours.

Spanish 16. A continuation of Spanish 11. "Doña Perfecta." (Spanish 11) Credit, 3 hours.

Spanish 17. A continuation of Spanish 12. "Gil Blas" (selections). "Don Quijote" (selections). (Spanish 12) Credit, 3 hours.

Spanish 21. Composition, Commercial correspondence and reading. (Spanish 12) Credit, 2 hours.

Spanish 22. Lope de Vega, and Calderon (selections). (Spanish 12) Credit, 2 hours.

Spanish 23. Rapid reading of representative modern authors. (Spanish 12) Credit, 2 hours.

DEPARTMENT OF THE SCIENCES AND MATHEMATICS

Chemistry: Professor Sieplein; Mr. Hoyt.

Physics: Professor Harmon; Mr. Southworth.

Biology: Assistant Professor Torrey; Mr. Cribbs.

Mathematics: Assistant Professor Anderson; Mr.
Ramsey.

CHEMISTRY

Chemistry 11A. General Chemistry, first term. The class work consists of a thorough drill in the theories and principles of inorganic chemistry, with a brief study of organic compounds. Stoichiometric principles are given large place, and the bearing of the electrolytic dissociation on chemical action is emphasized throughout the course. In the laboratory, the reactions of bases, salts and acids are studied. The aim of the laboratory work is to develop a thorough understanding of the reactions involved in qualitative analytical methods. Smith: General Chemistry for Colleges; and, Stieglitz: Qualitative Analysis, Volume 2. (Chemistry, 1 unit). 3 recitations and 1 laboratory period per week.

Credit, 4 hours.

Professor Sieplein.

Chemistry 12A. General Chemistry, second term. A continuation of Chemistry 11A. (Chemistry 11A). 3 recitations and 1 laboratory period per week.

Credit, 4 hours.

Professor Sieplein.

Chemistry 13A. General Chemistry, third term. A continuation of Chemistry 12A. (Chemistry 12A). 3 recitations and 1 laboratory period per week.

Credit, 4 hours.

Professor Sieplein.

Chemistry 11B, Chemistry 12B and Chemistry 13B are courses paralleling the above courses, but involve a greater amount of laboratory practice. This additional laboratory practice is planned to meet the requirement in chemistry for those intending to study medicine.

Chemistry 14. Qualitative Theories. A one-term course dealing with the applications of the electrolytic dissociation theory to chemical problems. The course is planned to give those who are unable to take Chemistry 11, 12 and 13, a thorough understanding of the importance of ions in chemical action. Stieglitz: Qualitative Analysis, Volume 1. (Chemistry, 1 unit) Credit, 3 hours. Professor Sieplein.

Chemistry 17A. Chemical Arithmetic. A study of the stoichiometric principles of chemistry. The calculation of gas volumes under various conditions, percentage composition, weights of reaction products, and the balancing of metathetical and oxidation equations, compose the course. Hale: Calculations of Chemistry.

Credit, 3 hours.

Mr. Hoyt.

Chemistry 17B. Household Chemistry. A study of the specialized chemistry of foods. The study of the elements in foods, proteins, carbohydrates and fats, of adulterants and tests for each, constitutes the course. Jordan: Principles of Human Nutrition. (Chemistry, 1 unit). 2 recitations and 1 laboratory period per week.

Credit, 3 hours.

Mr. Hoyt.

Chemistry 18. Elementary Organic Chemistry. A course dealing with the general principles of organic chemistry, planned especially for those desiring a short course preparatory to medical schools. Cohen: Theoretical Organic Chemistry. (Chemistry 13). 5 recitations and 1 laboratory period.

Credit, 6 hours.

Professor Sieplein.

Chemistry 21. Qualitative Analysis. The class work deals with the methods of wet and blowpipe analysis with the application of electrolytic dissociation to metathetical and oxidation reactions. In the laboratory unknowns of acids and metals are solved by solution methods and several unknowns are solved by blowpipe methods. Prescott & Johnson: Qualitative Analysis. 2 recitations and 2 laboratory periods per week.

Credit, 4 hours.

Mr. Hoyt.

Chemistry 22. Gravimetric Quantitative Analysis. The general methods of gravimetric analysis with the stoichiometry involved are the basis of the class room work. In the laboratory gravimetric methods are applied to the analysis of various salts. Electrolytic methods also receive attention. Talbot: Quantitative Analysis. (Chemistry 21). 2 recitations and 1 laboratory period per week.

Credit, 3 hours

Mr. Hoyt.

Chemistry 23. Volumetric Quantitative Analysis. The volumetric methods of various types are considered and lastly methods of analysis for the common metals. The familiar exercises in acidimetry, alkalimetry, permanganate and dichromate methods, and iodimetry are carried out in laboratory practice. Talbot: Quantitative Analysis. (Chemistry 22). 2 recitations and 1 laboratory period per week.

Credit, 3 hours.

Mr. Hoyt.

Chemistry 24. Qualitative Analysis. Solubilities and the application of electrolytic dissociation to qualitative analysis are considered, with the balancing of metathetical and oxidation equations. Unknowns of metals and acids are solved both by solution and dry methods. Prescott & Johnson: Qualitative Analysis. (Chemistry, 1 unit). 3 recitations and 1 to 3 laboratory periods per week.

Credit, 4 to 6 hours.

Mr. Hoyt.

Chemistry 31. Industrial Chemistry. The commercial applications of chemistry especially in the manufacture of chemical materials. Thorp: Industrial Chemistry. (Chemistry 23). 3 recitations per week.

Credit, 3 hours.

Mr. Hoyt.

The preparation of various compounds by commercially practical methods, in the laboratory, supplements the class room work. Thorpe: Inorganic Preparations. (Chemistry 23). 2 laboratory periods per week.

Credit, 2 hours.

Mr. Hoyt.

Except with the consent of the department the class room work and laboratory work must be taken together.

Chemistry 32. Metallurgy. The blast furnace, Bessemer and open-hearth processes, the processes for the preparation of zinc, copper, gold, and silver from their ores constitute the material of the course. Wysor: Metallurgy. (Chemistry 23; Chemistry 31 is advised). 3 recitations per week.

Credit, 3 hours.

Mr. Hoyt.

The testing of various metallurgical materials is taken up in the laboratory. Wysor: Analysis of Engineering Materials. (Chemistry 23). 2 laboratory periods per week.

Credit, 2 hours.

Except with the consent of the department the class room work and laboratory work must be taken together.

Chemistry 33. Food and Water Analysis. Methods of analysis for dairy products, fertilizers, liquors and wines, baking powder, sugar, meats and the adulterants commonly used. In the latter part of the term the sanitary and bacteriological examination of water is studied; in the laboratory food substances and water are analyzed. The inspection of food and water, and

the standards which they should meet are carefully considered. Bulletin 107, U. S. Department Agriculture. (Chemistry 31). 2 recitations and 3 laboratory periods per week. Credit, 5 hours.

Mr. Hoyt.

The work on food analysis constitutes a course with one recitation and two laboratory periods per week; that on water analysis a course with one recitation and one laboratory period per week. These courses are usually taken together.

Chemistry 34. Quantitative Analysis. The methods of volumetric and gravimetric analysis are studied and the stoichiometry involved. Exercises in analyzing various salts by gravimetric methods and simple exercises in acidimetry and alkalimetry, iodimetry and permanganate and dichromate methods are carried out in the laboratory. Talbot: Quantitative Analysis. (Chemistry 21, or Chemistry 24). 2 recitations, and, 1 or 2 laboratory periods per week. Credit, 3 or 4 hours.

Mr. Hoyt.

Chemistry 41. Organic Chemistry, first term. The work of the first term deals with aliphatic compounds as far as polybasic acids. Holleman: Textbook of Organic Chemistry. (Chemistry 13, or Chemistry 14). Taught 1914-15. Credit, 3 hours.

Professor Sieplein.

Chemistry 42. Organic Chemistry, second term. A continuation of Chemistry 41, dealing with polybasic acids, sugars and proteins. (Chemistry 41). 2 recitations and 1 laboratory period per week. Taught 1914-15. Credit, 3 hours.

Professor Sieplein.

Chemistry 43. Organic Chemistry, third term. A continuation of Chemistry 42, dealing with cyclic com-

pounds. (Chemistry 42). 3 recitations and 1 laboratory period per week.

Credit, 4 hours.

Professor Sieplein.

Chemistry 45. Theoretical and Physical Chemistry, first term. A course dealing with stoichiometry, theories of matter, the laws and theories of gases. Bigelow: Theoretical and Physical Chemistry. (Physics 23, and, Chemistry 13, or 14). Taught in 1915-16.

Credit, 3 hours.

Professor Sieplein.

Chemistry 46. Theoretical and Physical Chemistry, second term. A continuation of Chemistry 45, dealing with the laws and theories of liquids, solids and solutions. (Chemistry 45). Taught in 1915-16.

Credit, 3 hours.

Professor Sieplein.

Chemistry 47. Theoretical and Physical Chemistry, third term. A continuation of Chemistry 46. Velocities and equilibria in chemical reactions; thermochemistry; electrochemistry. (Chemistry 46). Taught in 1915-16.

Credit, 3 hours.

Professor Sieplein.

PHYSICS

Professor Harmon; Mr. Southworth.

Physics 21A. Properties of matter and elementary theory of mechanics. Kimball: College Physics; Conrad: Laboratory Manual with the experiments amplified and supplemented. (Mathematics 11, Physics, 1 unit). 3 recitations, 1 laboratory period per week.

Credit, 4 hours.

Physics 22A. Elementary theory of heat, magnetism and static electricity. (Physics 21A). 3 recitations and 1 laboratory period per week.

Credit, 4 hours.

Physics 23A. The elements of current electricity, sound and light. (Physics 22A). 3 recitations and 1 laboratory period per week.

Credit, 4 hours.

Physics 21B, 22B, 23B are courses paralleling the above, designed for students who have not completed preparatory physics, or, those who need additional laboratory practice. This additional laboratory practice is necessary for those intending to meet the requirements for entrance to medical schools. The theory is presented with this requirement in mind. The same laboratory manual is used but 50 experiments are required for the complete course.

Physics 21, 22 and 23 afford a general course in which a student becomes familiar with the elementary principles of the science and their applications. The subject matter is presented through the means of very fully illustrated experimental lectures in which the lantern is much used. The student is frequently referred to the departmental library. He is required to solve a large number of problems and to write elaborate reports on his laboratory work. Two weeks of weather observation is included in the laboratory course.

Physics 31. Elementary Mechanics and Heat. Franklin and McNutt: Mechanics and Heat. Special and selected experiments from standard manuals for college physics. (Physics 23). 2 recitations and 1 laboratory period per week. Credit, 3 hours.

Physics 32. A continuation of Physics 31. (Physics 31). 2 recitations and 1 laboratory period per week. Credit, 3 hours.

Physics 33. Electricity and Magnetism. Franklin and McNutt: Electricity and Magnetism. (Physics 32). 2 recitations and 1 laboratory period per week.

Credit, 3 hours.

Physics 31, 32, 33 afford a more technical course than Physics 21, 22 and 23, and are an introduction to Theoretical and Practical Physics. The many problems used are of an especially practical sort and of greater

difficulty than those of Physics 21, 22 and 23. 30 laboratory experiments are required in the year's work. These are more thorough and of greater difficulty than those of the elementary course. They require the use of more accurate apparatus and demand skill of manipulation and observation. The reports cover the theory and the analysis of data in most thorough fashion.

Physics 41. Teacher's course in Physics. Mann: Teachers' Physics. (Physics 23) Credit, 2 hours.

Physics 42. Continuation of Physics 41. (Physics 41) Credit, 2 hours.

Physics 43. Continuation of Physics 42. (Physics 42) Credit, 2 hours.

Physics 41, 42 and 43 are intended for those intending to teach high school physics. The work consists of a discussion of the methods of teaching, of courses, of textbooks, catalogues of supply houses. Of the equipment of the laboratory, of care and construction of apparatus, of direction of the laboratory work and of giving experimental lectures before a class. In general, the point of view taken is that of the teacher.

Physics 47A. Meteorology: A descriptive course in meteorology in which the material is presented by lectures and observations supplemented by class discussions. (Physics 23). Taught in the spring term 1915. Credit, 3 hours.

Physics 47B. Light and Sound. Franklin and McNutt: Light and Sound. Taught in the spring term 1916. (Physics 23) Credit, 3 hours.

Physics 47B is a companion course to Physics 31, 32 and 33, being of the same grade and character.

BIOLOGY

Assistant Professor Torrey; Mr. Cribbs.

The biological work as here outlined aims to deal with three different classes of students.

To those who desire a general knowledge of biological subjects are recommended Biology 1, 12, 13, 16, 17, 26.

Those who are planning to enter the medical schools should choose Biology 1, 16 and 17, which cover the standard requirement of the best schools.

Those who intend to teach or to specialize in science should, after proper preparation, choose from among: Biology 21, 22, 23, 26, 31, 32, 33, 37, 41, 42.

BOTANY

Biology 12A. Introductory Botany. This course gives a resumé of the plant kingdom but lays emphasis on the structure and functions of the higher plants. Atkinson: College Botany. (Biology 1, or equivalent). 3 recitations and 1 laboratory period per week.

Credit, 4 hours.

Mr. Cribbs.

Biology 13A. Plant Ecology. A study of the relations of plants to their environment. This course aims to familiarize the student with our common plants in their various habitats. Atkinson: College Botany. (Biology 12A). 3 recitations and 1 laboratory period per week.

Credit, 4 hours.

Mr. Cribbs.

Biology 12B and 13B are courses paralleling the above courses and are designed for students who desire additional laboratory practice. This additional laboratory work is necessary for the students who intend to study medicine. The courses meet in 3 recitations and 2 laboratory periods each week; the credit for each course is 4 hours.

Biology 21. Cryptogamic Botany. Systematic study of typical forms of the lower plants (bacteria, algae, fungi, mosses, ferns, etc.). Collateral reading. Lectures and field trips. Intended for students who wish

to fit themselves as teachers, foresters, plant pathologists, etc. Coulter, Barnes and Cowles: Textbook of Botany, Vol. 1, Part 1. (Biology 12A or 12B). 2 recitations and 2 laboratory periods per week.

Credit, 4 hours.

Professor Torrey.

Biology 22. Continuation of Biology 21. (Biology 21). 2 recitations and 2 laboratory periods per week.

Credit, 4 hours.

Professor Torrey.

Biology 23. Phanerogamic Botany. A course continuing the principles and aims of Biology 22, but dealing with the flowering plants. (Biology 22). 2 recitations and 2 laboratory periods per week.

Credit, 4 hours.

Professor Torrey.

Biology 41. Plant Histology and Botanical Technique. The preparation and study of microscopic mounts, imbedding, sectioning and staining methods. Open only to the well prepared student. Application for admission to this course must be made to the professor in charge. Chamberlain: Methods in Plant Histology.

Credit, 4 hours.

Professor Torrey.

ZOOLOGY

Biology 16A. Introductory Zoology. The courses in general zoology attempt to lay a basis for future specialization. Laboratory work is largely anatomical and deals with selected type animals from the important animal phyla. Hegner: College Zoology. (Biology 1 or equivalent). 3 recitations and 1 laboratory period per week.

Credit, 4 hours.

Mr. Cribbs.

Biology 17A. Vertebrate Zoology. A continuation in method of Biology 16, but dealing in an introductory

way with the vertebrate animals. Hegner: College Zoology. (As for Biology 16).

Biology 16B and 17B are courses paralleling the above courses and are designed for students who desire additional laboratory practice. This additional laboratory work is necessary for the students who intend to study medicine. The courses meet in three recitations and two laboratory periods each week; the credit for each course is 4 hours.

Biology 31. Invertebrate Morphology. Systematic study of invertebrates; collateral reading, text-book, dissections, and lectures on phylogeny, embryology, etc. Corellative with Biology 21. Hertwig: Manual of Zoology or, Parker and Haswell: Text Book of Zoology. (Biology 16A or 16B). 2 recitations and 2 laboratory periods per week.

Credit, 4 hours.

Professor Torrey.

Biology 32. A continuation of Biology 31. (Biology 31). 2 recitations and 2 laboratory periods per week.

Credit, 4 hours.

Professor Torrey.

Biology 33. Vertebrate Morphology. A continuation of Biology 32, but dealing with the vertebrates. (Biology 32). 2 recitations and 2 laboratory periods per week.

Credit, 4 hours.

Professor Torrey.

Biology 37. Human Anatomy and Physiology. A course consisting of text-book work supplemented by the study of charts and models. Laboratory work in histology and mammalian dissection. Martin: Human Body—advanced. (Biology 1, or equivalent). 4 recitations and 1 laboratory period per week. Credit, 5 hours.

Professor Torrey.

Biology 26. Genetics: An Introduction to the study of heredity. Text book, lectures and discussions. Wal-

ter: Genetics. (Biology 12 or 16). 3 recitations per week.

Credit, 3 hours.

Professor Torrey.

Biology 42. Historical Geology and Palaeontology. Development and palaeontology of the American continent. Text Book, collateral reading and lectures. (Biology 31, 32, 33). 2 recitations per week.

Credit, 2 hours.

Professor Torrey.

MATHEMATICS

Assistant Professor Anderson; Mr. Ramsey.

Mathematics 11. Plane Trigonometry. Granville: Plane and Spherical Trigonometry. (Algebra $1\frac{1}{2}$ units and Geometry $1\frac{1}{2}$ units)

Credit, 4 hours.

Mathematics 12. College Algebra, first term. Radicals to Mathematical Induction. Milne: Advanced Algebra. (Algebra $1\frac{1}{2}$ units and Geometry 1 unit)

Credit, 4 hours.

Professor Anderson.

Mathematics 13. College Algebra, second term. Mathematical Induction. Milne: Advanced Algebra. (Mathematics 12)

Credit, 4 hours.

Professor Anderson.

Mathematics 21. Analytical Geometry including polar coordinates. Smith and Gale: Elements of Analytical Geometry. (Mathematics 11 and 12; Mathematics 13 is advised)

Credit, 3 hours.

Professor Anderson.

Mathematics 22. Advanced Analytical Geometry. Transformation of Coordinates to the Plane. Smith and Gale: Elements of Analytical Geometry. (Mathematics 21)

Credit, 3 hours.

Professor Anderson.

Mathematics 23. Spherical Trigonometry. Granville: Plane and Spherical Trigonometry. (Mathematics 11 and 12)

Credit, 3 hours.

Mr. Ramsey.

Mathematics 31. Plane Surveying. Classroom work is supplemented by field work in which the student is taught the use of the instruments in a practical way. Among the problems considered are: the measurement of a straight horizontal line; measurement and laying off of horizontal angles; computation of area, height and distance, and the laying out of curves. The latter portion of the course is given to leveling and grading problems, laying of sewers, etc. Breed and Hosmer The Principles and Practice of Surveying, Volume 1. (Mathematics 11 and 12)

Credit, 3 hours.

Mr. Ramsey.

Mathematics 32. Differential Calculus. Granville: Elements of Calculus. (Mathematics 21)

Credit, 3 hours.

Professor Anderson.

Mathematics 33. Integral Calculus. Granville: Elements of Calculus. Granville: Elements of Calculus. (Mathematics 32)

Credit, 3 hours.

Professor Anderson

AGRICULTURE

The following courses aim to give the student a general knowledge of the scientific principles which underlie the art of agriculture either that he may make practical application of these principles or may be fitted to teach them in the schools.

The growing mass of Experiment Station literature found in the Library is liberally used.

Agriculture 11. The Soil. A basic course dealing with the origin, analysis, organisms, physics and chem-

istry of soils. Hall: The Soil. (Chemistry, 1 unit and Biology, 1 unit) Credit, 3 hours.
Professor Torrey.

Agriculture 12. Fertilizers. Agricultural Technology. A study of chemistry of fertilizers and fertilizing elements in soils; chemistry of feeds and digestion, metabolism, dairy and poultry products. Jordan: Feeding of Animals. (Agriculture 11) Credit, 3 hours.
Mr. Hoyt.

Agriculture 13. The Plant in its Relation to Agriculture. This course deals with horticultural and agricultural practices in the propagation and care of plants. A study will be made of the fungus diseases and insect pests of various crops with methods for their control. (Agriculture 12) Credit, 3 hours.
Mr. Cribbs.

ASTRONOMY

Professor Harmon.

Astronomy 31. A general descriptive course. Todd: New Astronomy. (Mathematics 23 and Physics 23) Credit, 3 hours.

Astronomy 32. Continuation of Astronomy 31. (Astronomy 31) Credit, 3 hours.

Astronomy 34. A general descriptive course covering the material of Astronomy 31 and 32, a special course for the summer term. Todd: New Astronomy. (Mathematics 23 and Physics 23) Credit, 5 hours.

GEOLOGY

Geology 21. Dynamical and Structural Geology. Scott: Introduction to Geology. (Chemistry, 1 unit) Credit, 3 hours.
Professor Torrey.

Geology 42. See Biology 42.

MECHANICAL DRAWING

Professor Harmon.

The aims of the first year's course is to become familiar with the various styles of lettering and to acquire skill in their formation, to become familiar with the drawing instruments and their use and to apply them in making geometrical drawings and projections used in the solution of the problems given in the course.

First term. Free hand drawing, lettering and geometrical drawing. Thompson: Books 1 and 2.

Credit, 5 hours.

Second term. Projection and perspective: advanced lettering. Tracey.

Credit, 5 hours.

Third term. Continuation of the second term's work.

Credit, 5 hours.

The intent of the second year's work is to give the student such knowledge as will prepare him to pursue a course in engineering and such practice in drawing as will qualify him to do ordinary commercial work.

First term. Free hand sketching of machine parts, and scale drawing of the same.

Credit, 5 hours.

Second term. Complete drawing of machines.

Credit, 5 hours.

Third term. Elementary Machine Design.

Credit, 5 hours.

Advanced work in machine design and mechanism is arranged to meet the needs of the student.

DEPARTMENT OF ATHLETICS AND PHYSICAL TRAINING

Director: W. J. Young, M. D.

Instructor for Women: Miss Evelyn Pew Lockhart.

ATHLETICS FOR MEN

All forms of athletics at the college are under the direct supervision of the athletic director, who is also a physician. He is coach of the various athletic teams and accompanies the teams on all trips away from the college.

By this arrangement the college aims not only to foster and encourage athletics by providing a coach of wide athletic experience, but also to safe-guard the health and mind of the students by placing them under the instruction and care of a competent physician and responsible official of the college. Systematic physical training according to sound hygienic principles is offered to all, although a general participation in out-door and in-door athletics is encouraged. Students are permitted to remain on the athletic teams only so long as athletics do not interfere with the pursuit of their studies. The rules governing intercollegiate contests (page 46) apply to all athletic teams. The forms of athletics in which the college participates are foot-ball, basket-ball, base-ball, track and tennis. The control of athletics is in the hands of an Athletic Committee appointed from the Faculty by the President. The direct management is by a student manager working under a joint committee of seven; two members from the faculty, two members from the alumni and three members from the student body.

ATHLETICS FOR WOMEN

Some form of physical training is required of all the young women of the College. Though this work is required the individual is given the option of many sports, such as tennis, basket-ball, field hockey, swimming, folk dancing and gymnastics. The costume used by the young ladies consists of a plain white middy-blouse, black bloomers and gymnasium shoes. In the swimming classes, a tight fitting one-piece swimming suit and rubber cap are used.

THE PREPARATORY DEPARTMENT

Grove City College maintains a preparatory department in which the branches preparing for college are taught. Owing to the enlarging high school curricula many graduates of high schools find themselves deficient in some portion of the work necessary for entrance to certain college classes. By taking work in the Preparatory Department the student finds it possible to carry out his plans for a college course without an especial hardship because of a change of plans since entering the high school. The young man or young woman who has not had the opportunity of finishing a high school course finds at Grove City College classes suited to his needs. As the work of the Preparatory Department is taught by teachers of large experience, the student finds it possible to complete the preparatory work in shorter time than would be required at a high school. Classes in various grades of languages, mathematics, English and science are taught each of the four sessions. The student in the preparatory work has the opportunity of association with the more mature college students.

The tuition in the Preparatory Department is twenty-eight dollars per term. In courses requiring laboratory practice a fee of two dollars is charged for one laboratory period and a fee of three dollars, for two laboratory periods. The student is allowed admission to athletic contests, use of the gymnasium and, in case of illness, hospital expenses, up to forty dollars, are met by the College. The subjects taught in the Preparatory Department are listed below.

HISTORY

History 1. Greek History. The history of Greece

to the death of Alexander the Great. Myers: General History. 5 recitations per week.

Credit, $\frac{1}{2}$ unit, or 3 hours.

History 2. Roman History. The history of Rome to the fall of the Roman empire. Myers: General History. 5 recitations per week. Credit, $\frac{1}{2}$ unit, or 3 hours.

History 3. General History. A brief review of the history of Greece and Rome, followed by a study of the Middle Ages and concluding with modern times. Myers: General History. 5 recitations per week.

Credit, $\frac{1}{2}$ unit, or 3 hours.

ENGLISH

Mrs. Ritchey.

English 1. Preparatory Rhetoric, first term. The work in this course includes a brief review of grammar and punctuation. Compositions are frequently written. Special attention is given to the writing of clear correct English. Lockwood and Emerson: Composition and Rhetoric. 5 recitations per week. Credit, $\frac{1}{2}$ unit.

English 2. Preparatory Rhetoric, second term. A continuation of English 1. 5 recitations per week.

Credit, $\frac{1}{2}$ unit.

English 3. Preparatory Rhetoric, third term. A continuation of English 2. 5 recitations per week.

Credit, $\frac{1}{2}$ unit.

English 4. Preparatory Classics, first term. A critical study is made of some of the masterpieces of English and American writers. (Rhetoric, 1 unit). 5 recitations per week.

Credit, $\frac{1}{2}$ unit.

English 5. Preparatory Classics, second term. A continuation of English 4. 5 recitations per week.

Credit, $\frac{1}{2}$ unit.

English 6. Preparatory Classics, third term. A continuation of English 5. 5 recitations per week.

Credit, $\frac{1}{2}$ unit.

LATIN

Elementary Latin. A three-term course giving a thorough drill in forms, vocabulary and the elementary principles of grammar with daily practice in turning Latin into English and English into Latin. The text used is Pearson: Essentials of Latin.

Latin 1. Lessons 1 to 25. 5 recitations per week.

Credit, $\frac{1}{3}$ unit.

Latin 2. Lessons 26 to 50. 5 recitations per week.

Credit, $\frac{1}{3}$ unit.

Latin 3. Lesson 51 to end of the book. 5 recitations per week.

Credit, $\frac{1}{3}$ unit.

Professor White.

Latin 4. Caesar, first term. Books 2 and 3 of Caesar's Gallic Wars using Allen and Greenough's text. Translation with systematic study of Allen and Greenough's Grammar. (Latin 3). 5 recitations per week.

Credit, $\frac{1}{2}$ unit.

Professor White.

Latin 5. Caesar, second term. Books 1 and 4 of Caesar's Gallic Wars; a continuation of Latin 4. (Latin 3). 5 recitations per week.

Credit, $\frac{1}{2}$ unit.

Professor White.

Latin 6. Cicero, first term. The first three Orationes against Catiline with a thorough study of the grammar involved. Composition using D'Ooge: Latin Composition. (Latin 5). 5 recitations per week.

Credit, $\frac{1}{2}$ unit, or 3 hours.

Professor Calderwood.

Latin 7. Cicero, second term. The Fourth Oration against Catiline, and, Manilian Law. A continuation of Latin 6. (Latin 5). 5 recitations per week.

Credit, $\frac{1}{2}$ unit, or 3 hours.

Professor Calderwood.

Latin 8, 9 and 10. Vergil's Aeneid. Translation with a study of the metre, and of the grammar. Emphasis is laid on the Aeneid as a work of literature. (Latin 6)

Professor Calderwood.

Latin 8. Books 1 and 2. 5 recitations per week.

Credit, $\frac{1}{3}$ unit, or, 3 hours.

Latin 9. Books 3 and 4. 5 recitations per week.

Credit, $\frac{1}{3}$ unit, or, 3 hours.

Latin 10. Books 5 and 6. 5 recitations per week.

Credit, $\frac{1}{3}$ unit, or, 3 hours.

GERMAN

Professor Caruthers.

Elementary German is taught as a three term subject. The aim of the course is to give a thorough grounding in the principles of German grammar, together with conversation, prose composition and translation of easy texts. Bagster-Collins text is used. Students completing German 3 are ready for German 11. (Page 76).

German 1. Grammar, conversation. 5 recitations per week.

Credit, $\frac{1}{3}$ unit, or, 3 hours.

German 2. Grammar, prose composition. Translation: Der Lex von Gutenhag. 5 recitations per week.

Credit, $\frac{1}{3}$ unit, or, 3 hours.

German 3. Prose composition, translation of easy texts. 5 recitations per week.

Credit, $\frac{1}{3}$ unit, or, 3 hours.

FRENCH

Mr. Barnes.

French 1. Elementary Course. Grammar, oral exercises, composition. Chardenal: (Complete) Course. 5 recitation per week. Credit, $\frac{1}{3}$ unit, or, 3 hours.

French 2. Continuation of French 1. Reading of easy narrative prose. (French 1). 5 recitations per week. Credit, $\frac{1}{3}$ unit, or, 3 hours.

French 3. Continuation of French 2. Dictation, memorizing. Reading of one or two simple plays. (French 2). 5 recitations per week.

Credit, $\frac{1}{3}$ unit, or, 3 hours.**CHEMISTRY**

Mr. Hoyt.

Chemistry 1. Elementary Chemistry, first term. A beginning course dealing with the properties of matter, atomic theory, electrolytic dissociation and the study of gas laws. Morgan and Lyman: Elements of Chemistry. (Physics 1 unit). 3 recitations and 2 laboratory periods per week. Credit, $\frac{1}{2}$ unit, or, 3 hours.

Chemistry 2. Elementary Chemistry, second term. A continuation of Chemistry 1. The periodic law, the properties of the various elements and their compounds with the important commercial applications of chemical reactions are dealt with in this course. Morgan and Lyman: Elements of Chemistry. (Chemistry 1). 3 recitations and 2 laboratory periods per week.

Credit, $\frac{1}{2}$ unit, or, 3 hours.

Chemistry 4. General Chemistry. A basic course covering the properties of matter, atomic theory, electrolytic dissociation theory, the laws of gases, the periodic law, the properties of the elements and their compounds with the commercial processes which have their basis in chemical reactions. This course covers the work

of Chemistry 1 and Chemistry 2. Morgan and Lyman: Elements of Chemistry. (Physics 1 unit). 5 recitations and 3 laboratory periods. Credit, 1 unit, or, 6 hours.

PHYSICS

Mr. Southworth.

Physics 1. Elementary Physics, first term. Lectures on the elements of mechanics and heat, with twenty laboratory experiments. Mann and Twiss. Taught in the spring and summer terms. 3 recitations and 2 laboratory periods per week. Credit, $\frac{1}{2}$ unit.

Physics 2. Elementary Physics, second term. A continuation of Physics 1. Lectures on electricity, magnetism, sound and light, with ten laboratory experiments. Taught in the summer term. 3 recitations and 2 laboratory periods per week. Credit, $\frac{1}{2}$ unit.

BIOLOGY

Mr. Cribbs.

Biology 1. Introductory Biology. This course is offered for those students who cannot take the more extended work, Botany and Zoology, or, as an introduction to that more extended work. Conn: Biology. Taught in the fall term. 3 recitations and 2 laboratory periods per week. Credit, $\frac{1}{2}$ unit, or, 3 hours.

MATHEMATICS

Mr. Ramsey.

Mathematics 1. Elementary Algebra, first term. The work extends to fractions. Milne: Standard Algebra. 5 recitations per week. Credit, $\frac{1}{2}$ unit.

Mathematics 2. Elementary Algebra, second term. A review of factoring, and extending to quadratic equations. Milne: Standard Algebra. (Mathematics 1). 5 recitations per week. Credit, $\frac{1}{2}$ unit.

Mathematics 3. Intermediate Algebra. After a rapid review of Elementary Algebra, the work is a thorough drill in quadratic equations. Milne: Standard Algebra. (Mathematics 2). 5 recitations per week.

Credit, $\frac{1}{2}$ unit, or, 3 hours.

Mathematics 4. Plane Geometry, first term. Books 1 and 2 in Wentworth: Plane and Solid Geometry (Revised). (Mathematics 2). 5 recitations per week.

Credit, $\frac{1}{2}$ unit.

Mathematics 5. Plane Geometry, second term. Books 3 to 5 in Wentworth's text. (Mathematics 4). 5 recitations per week.

Credit, $\frac{1}{2}$ unit.

Mathematics 6. Solid Geometry. Books 6 to 8 in Wentworth's text. (Mathematics 5). 5 recitations per week.

Credit, $\frac{1}{2}$ unit, or, 3 hours.

PHYSIOGRAPHY

Mr. Southworth.

Physiography. A general course designed to meet the requirements of those preparing for teacher's examinations, as well as the student preparing for a college course. Clendennin, Arey, Bryant and Morey: Physiography. 5 recitations per week. Credit, $\frac{1}{2}$ unit.

THE SUMMER TERM

For many years the College has conducted a summer term. The work of this summer term is made broader and richer than that of the other terms. It consists of four schools offering work along different lines. In addition to the work of the collegiate and preparatory departments, a graduate school of philosophy, a school for teachers, and a Bible school offer attractions.

In the ten weeks' term classes are conducted in all grades of collegiate and preparatory work in all the departments of the College. Although the term continues but for ten weeks, the work is carried on more intensively than in the other terms; there is no athletic work or club work to distract the student. By this means as much work is accomplished as in any of the other terms.

For several years, it has been the practice of the College to offer special work in philosophy in the summer term. Usually three well known philosophers have given lectures for graduate students in philosophy. In the summer term of 1914, five courses were given. President Ormond conducted a course in Pre-Kantian Philosophy; Dr. John Watson (Queens University, Kingston, Ontario), conducted courses in Kant and Early Greek Philosophy; Dr. O. O. Fletcher (Furman University, Greenville, South Carolina), conducted courses in Present Day Philosophy and Theory of Knowledge.

Early in August the Grove City Bible School conducted under the auspices of the College, is held. At this school, noted men from abroad as well as from this country and Canada conduct courses of especial interest to clergymen and all interested in religious work. In 1914,

great emphasis was laid on the Missions of the Church, each afternoon being devoted to a Mission Conference.

Teachers' Work The work of the seven weeks' term was of special interest to teachers. In this term which began June 18 and ended August 4, instruction was given in all branches required by the School Code in the examinations for State Permanent Certificates. In addition to these subjects special classes in school music, drawing, primary methods and grade methods were conducted. Every effort was made to provide the students with exactly the work needed. Plans for the summer term of 1915 are well under way.

The tuition for the ten weeks term beginning June 22nd, is \$26.00. The tuition for the short term for teachers, beginning June 24th, is \$16.00.

For detailed information regarding the summer term write for the special bulletin which will be issued in January 1915. Address the President A. T. Ormond, or the Registrar, O. J. Sieplein.

GENERAL INFORMATION

The Town Grove City College is located in Grove City, Pennsylvania, a town of about five thousand, on the Bessemer and Lake Erie Railway. The town is 1300 feet above sea level and is supplied with pure water from artesian wells. The health conditions are excellent. This, together with the beauty of the surroundings and progressive character of the town, gives Grove City advantages possessed by few college towns. Connections are made at Butler with the Buffalo, Rochester & Pittsburgh and the Pennsylvania Railways, at Mercer with the Pennsylvania, at Shenango with the Erie and the Pennsylvania, and at Osgood with the Lake Shore. There are four daily trains to Pittsburgh and to Erie.

The Campus The campus of about fifty acres is located in the center of the town and is divided into two nearly equal portions by Wolf Creek. On the right bank are the college buildings and the athletic field; on the left bank are the dormitory for men, and woodlands. The college buildings are heated with steam and lighted with electricity supplied from a central power plant.

The Buildings The Administration Building, erected in 1888, is a four-story brick building and contains the offices, a chapel room, several recitation rooms, two laboratories for chemistry, two large rooms for use of the commercial school, and clubrooms for the four literary societies.

Recitation Hall, a two-story brick building erected in 1879, contains six recitation rooms, the art studio, and two rooms for Biology.

Physics Building, erected 1902, contains a lecture room, several laboratories, and a large room for mechani-

cal draughting. It is well equipped with apparatus for instruction in both general and advanced physics.

Ivy Chapel contains a small auditorium for the use of the student organizations, a large recitation room, and a rest room for the young women of the college.

Carnegie Library contains, in addition to the library and reading room, a public auditorium with seating capacity for six hundred, in which is a two-manual pipe organ.

Music Hall, erected 1895, is equipped with auditorium, recitation and practice rooms, containing the facilities for carrying on the work of the Conservatory of Music.

The Gymnasium, erected 1912, is a large and modernly equipped building for the general use of the Athletic Department. It is a substantial brick and steel structure, three stories high, 120 feet long and 60 feet wide, and contains in addition to locker rooms, a swimming pool, shower baths, base-ball cage, 'Varsity room and visiting team room on the first floor; reception room, Athletic Director's rooms, office and kitchen on the second floor; and on the third floor, in addition to the running track, a large private room and a number of study rooms for gymnasium care-takers.

The Colonial, Pelton and Cunningham—the dormitories for young women and Memorial Hall, the dormitory for young men, are described in the section for room and boarding.

Grove City College is an undenominational Christian College. No religious test is required of members of the Board of Trustees, Faculty, or student body. The College emphasizes Christian character, and from it there go out many young men and women to enter the gospel ministry or engage in other Christian work. More men enter the gospel ministry from this institution than from any other college in Pennsylvania. Each year,

in August, a Bible Conference is held under the auspices of the College. This Conference continues ten days, and at it special courses by distinguished scholars and clergymen from both sides of the Atlantic are offered.

College work is begun each day with devotional exercises. Divine services are held each Sabbath morning in the chapel. College prayer-meetings are held regularly during each session.

Grove City College stands for classical education broadened by thorough work in mathematics and the sciences.

The College has adopted the four terms system, three sessions of twelve weeks, and a fourth, summer session, of ten weeks. In the summer the work is greatly broadened in various departments of college work. The summer term has proved of especial value to many of the student body who have found it necessary to make up conditions or who desire to shorten the time for graduation. The Summer School has also proved of great value to many others, especially to teachers, who are obliged to give a part of their year to the practice of their profession, and to make progress along college lines during the summer. As much work can be done in the fourth term as in any of the regular sessions, as literary club work and athletics are suspended for this term. By taking advantage of the summer term, many teachers who teach seven months in the year can complete two-thirds of a year's college work yearly.

Hospital Largely through the influence of the College, a hospital was established in Grove City, where the sick of the College receive the best attention by trained nurses and under the supervision of a competent superintendent. The hospital building is near the college grounds and is well located. It has all the modern conveniences and appliances and has gained a very enviable reputation for the

excellent care given to the patients, and the fine work done by the physicians and surgeons of the hospital staff.

The hospital expenses of students are met through a special fund set apart for this purpose. In every case the hospital expenses (not medical fees) are met by the College up to an amount not exceeding \$40.00 per student.

STUDENT ORGANIZATIONS

There are four literary societies in the college—Shakespeare and Webster, for young men; Speedwell and Philokalian for young women. These societies have been in existence from twenty to thirty years, and are composed of the best talent in the student body. Each society has its own club room which is well furnished and equipped. The order of exercises includes orations, debates, music, impromptu speeches, and friendly criticism.

There are healthy, active branches of both Y. M. C. A. and Y. W. C. A. among the students.

ROOMS AND BOARDING

The Colonial, Cunningham and Pelton Halls—the ladies dormitories—are under the immediate control of the Dean, and are designed to provide comfortable and pleasant homes for young women. Students from out of town are required to room and board at the dormitories. The student rooms are arranged, mostly in suites of two with bath room for each suite; there are also some single rooms with bath. Each room is furnished for occupancy by two girls. Each girl furnishes her own towels and bed linen which are laundered by the College. Personal linen of each girl is laundered at her own expense, either at the Colonial or elsewhere.

Room and boarding at the Colonial for the twelve weeks session is \$66.00 for the term, two girls occupying a room. On the fourth floor the rate is reduced to \$60.00

a term, two girls occupying a room. On the fourth floor, three girls occupying one large room, can be accommodated at \$54.00 for the term of twelve weeks. On lower floors where three occupy a room a charge of \$60.00 is made for the term of twelve weeks.

At the Pelton and Cunningham Cottages room and boarding is furnished at \$54.00 per term of twelve weeks, two occupying a room.

Memorial Hall, one of the finest buildings of its kind in the country, has been added to the group of College buildings at Grove City. It has a peculiarly favorable location, and from the College Campus may be seen through the trees looming up like some magnificent castle. The building has been erected, equipped and furnished at large expense as a memorial to the late Joseph Newton Pew, who was for so many years the President of the Board of Trustees of Grove City College and who had such a vital part in the development and growth of the institution. All of the expenses, including those for furniture, bedding, silver, china, and even the sidewalks around the building have been borne by the family of Mr. Pew. It is hardly too much to say that seldom has such a complete memorial building been erected.

The building itself is located on high ground overlooking the campus and commands a view of the whole of the surrounding country. It is of fireproof construction throughout and is built of red brick trimmed with white Indiana limestone. The roof is of red tile and makes a pleasing contrast to the green foliage of the forest just in the rear. The building is divided into five separate houses or entries. The floors are of solid concrete extending the whole length of the building, having been poured as a single piece. The only wood used is that which may be seen in the trimmings and in the floors laid on the concrete base. The woodwork in the building is of chestnut, finished in the fumed oak shade.

There are accommodations for approximately one hundred and ten students. A number of different and very attractive arrangements of rooms has been provided. In the end sections, there are a number of large rooms for two students. Each room has two large wardrobes with shelves and plenty of hooks and is located near a bath room. In most cases the rooms are arranged in suites. Each suite has a large study room with two or three single bedrooms and opens directly into a bathroom.

The furnishings of the building received the special attention of the donors and the result is that in the furniture and equipment the building is believed to have no superior. The furniture is of solid fumed oak and is of the modified mission type. It is substantial and gives one the impression of permanence and elegance. The beds are enameled malleable iron and are fitted with the best grade of springs and mattresses. In each study room there are large desks with drawers for each student, desk chairs, a rocker, a most comfortable and especially designed couch, a rug, and, also, what adds much to the appearance of the room, an open fireplace with a mantel.

The prices charged include rentals for room, furniture, with mattresses, pillows and blankets, janitor service, and heat and light. Few colleges in the country are so liberal in their provisions. The student needs only furnish bed-linen and towels and care for the same.

The boarding department is run on a plan which will insure the student the best obtainable board at the price. No attempt is made on the part of the College to secure an income from this source.

The control of Memorial Hall is in the hands of the Student Committee working under the Faculty Advisory Committee. This Committee consists of ten men chosen from among the residents of Memorial Hall by

the members of their respective classes. Four seniors three juniors, two sophomores and one freshman constitute the committee. The house president is chosen from the senior members of this committee. The committee has general charge of all questions of order and discipline, though the faculty reserves the right of veto in their actions.

Many out of town young men room in private homes where a furnished room, including light and heat, for two students averages \$20 per term. Boarding may be had in clubs conducted on the co-operative plan at a cost of \$2.75 to \$3.00 per week.

The necessary expenses per term for women are:

Tuition	\$28.00	\$28.00
Room and Boarding	\$54.00 to	\$66.00
Books, about	\$ 5.00	\$ 5.00
Total.....	\$87.00	\$99.00

The necessary expenses per term for men in Memorial Hall are:

Tuition	\$28.00	\$28.00
Room and boarding	\$57.00 to	\$63.00
Books, about	\$ 5.00	\$ 5.00
Total	\$90.00	\$96.00

The necessary expenses per term for men who room in town are:

Tuition	\$28.00	\$28.00
Room	\$10.00 to	\$12.00
Boarding	\$31.00 to	\$36.00
Books, about	\$ 5.00	\$ 5.00
Total	\$74.00	\$81.00

TUITION AND EXPENSES

Tuition	\$28.00
Special examination in any subject	1.00
Mechanical Drawing	5.00
Physics laboratory	2.00

Biology laboratory	\$2.00 or 3.00
Chemistry laboratory	\$2.00 or 3.00
Surveying	3.00
Board and room at the Colonial, ladies, per term	\$54.00 to 66.00
Board and room at the Pelton or Cunningham, ladies per term	54.00
Board and room at Memorial Hall, men, per term	\$54.00 to 63.00
Rooms, men, per term	\$10.00 to 12.00
Boarding in clubs, per week	\$2.75 to 3.00

All tuitions and other college bills are due at the opening of the term. Laboratory fees must be paid by the end of the third week of the term. Students with unpaid college bills are excluded from classes at the beginning of the fourth week.

No registration or matriculation fee is charged; no entrance fee is charged to college athletic games.

A student leaving college during the first four weeks of the term is refunded one half all tuitions. Students resident in the college dormitories who leave before the end of the term are charged rental for the room for the full term and are refunded any unused boarding (a fraction of a week is charged to the student as a full week.)

GROVE CITY CONSERVATORY OF MUSIC

HERMANN POEHLMANN, MUS. D.

Director and Professor of Piano, Vocal, Violin, and Supervisor of the Teachers' Seminary

GUSTAV MEHNER

Professor of Pipe Organ, Piano, Composition, Harmony Forms.

JENNIE HASKELL GLENN

Instructor in Piano, History, Elements of Music, Music Dictation.

ILSE POEHLMANN

Piano, Vocal, Chorus, Vocal Accompanist.

ESTHER REYNOLDS

Violin Accompanist.

The Grove City Conservatory of Music is affiliated with Grove City College. It is under the directorship of Doctor Hermann Poehlmann, formerly professor in the Royal Conservatory, Dresden, Saxony. The courses of study provided are recognized by all capable of judging as the most approved of music schools generally. The high standard maintained in both instrumental and vocal music has brought the department into high repute among educated musicians. It has long been our ambition to afford facilities for instruction in music equal to those found in the larger Eastern schools. We confidently affirm that so far as the matter of instruction is concerned students have as good advantages for a musical education in Grove City College as in the very best conservatories of music.

The inexpensiveness of boarding, the comparatively low rates of tuition, the healthful and moral tone of the community, the stimulus incident to association with

young men and women earnestly pursuing literary courses of study, together with the opportunity of taking studies in the sciences, the languages and the arts, make this place a most desirable one for those wishing to secure a thorough musical education.

ADMISSION AND CLASSIFICATION

All the various subjects in the Music Conservatory, including Voice, Piano, Violin, Harmony, Counterpoint, Composition, etc., are taught from the first step up to the special coaching of artists. Each applicant must pass an examination in order to be placed in the proper grade. Students may enter at any time, though it is desirable, especially for the **regular course students**, that they **should begin in the fall term**. All beginners are expected to take, besides their principal study, Elements of Music.

All students who are taking full course in Music will be required to have at least freshman collegiate standing.

GRADUATION

Each student is required to attend at least **three years in succession in order to graduate**. Diplomas or certificates are given after the successful completion of any one of the courses prescribed in the various departments. They are conferred on those only who complete a full course and have attended the department at least three years. Those who have attained the Teacher's Diploma in Piano, Voice, Violin, Theory or Pedagogy, are then prepared to do advanced work and may secure diplomas in courses of study which will prepare them for independent development as pianists, violinists or vocal soloists.

Diplomas or certificates will be given:

A. For ability as teacher of piano, to students of the Piano-Seminar who have shown remarkable aptness

in teaching, who have had for one year, at least, a class in theoretical piano instruction, one year supervised piano instruction (giving of instruction to children, under care of the Director), have reached studies by Cramer, and have had at least two years' work in History and two years' work in Harmony and Forms of Music. According to the higher or lower ability in piano playing, different degrees are given, such as, for teaching beginning grade, for teaching lower and advanced middle grades, and for teaching lower and advanced higher grades.

In order to receive a certificate for ability as teacher of piano (a) beginning grade, the student must have finished two books from Cramer (Germer); Jensen, op. 32, book 1; Heller, Vol. II; Czerny, portions of Vols. II and III; Bach, Preludes; Mendelssohn's Songs without Words, partly; easier pieces from Schubert, Weber, Schumann, and at least one or two sonatas by Haydn, Mozart, Beethoven.

b. Low middle grade: Three books from Cramer; Jensen, op. 32, books 1 and 2; Heller, Vols. II and III; Czerny, Vols. II and III; Bach, some French suites or two-voice inventions; pieces like the above and some modern composers.

c. Advanced middle grade: Four books from Cramer; Jensen, op. 32, books 1, 2 and 3; Heller, Vol. IV; Czerny, Vols. II and III; Bach. Harder pieces from Mendelssohn, Schubert, Weber, Schumann, and other modern composers.

d. Low advanced grade: Cramer; Clementi: *Gradus ad Parnassum*; Jensen, op. 32; Heller, Vols. IV and Czerny, Vols. II and III; Bach. More difficult pieces from ludes; pieces from classical, romantic and modern masters.

B. Fitness for independent development as a pianist, to such piano players as have reached the Seventh Grade in the Piano Course, have studied Counterpoint

one year, and have shown such a thorough grasp of the subject that their future development may, without risk, be left to themselves.

C. For distinguished ability as a pianist, to such piano players as have reached the Eighth Grade of the Piano Course, have completed the work in Counterpoint, and have arrived at a high degree of proficiency in execution.

D. For ability as a teacher of vocal music, to students of the Voice-Seminar who have shown especial aptness in training the voice, have reached the Sixth Grade in Voice Culture, and have had two years' work in Music Theory.

E. Fitness for independent development as concert singer, to students of voice culture who have reached the Seventh Grade of the Voice Course, the Fourth Grade in the Piano Course, have had two years' work in Music Theory, and have arrived at such a degree of proficiency in the use of the voice and such understanding of vocal principles and methods that their future development may, without risk, be left to themselves.

F. For ability as church soloist, to students of voice culture who have finished the sixth grade of the vocal course, third grade in Piano and have had two years' work in Music Theory.

G. For distinguished ability as concert and oratorio singer, to students of voice culture who have finished the Seventh Grade of the Voice Course and have reached the Fourth Grade of the Piano Course, have had two years' work in Music Theory, and have acquitted themselves with high credit before the public.

H. For ability as opera singer, to students of voice culture whose voices have been developed in the technique necessary for opera singing and have attained such a degree of proficiency that the artistic rendering of the most difficult dramatic passages is satisfactorily

accomplished, and who have particularly attained accuracy in ensemble and have given evidence of unusual dramatic power.

I. For ability as teacher of violin, to students of the Violin-Seminar who have reached the Fourth Grade in the Violin Course, the Third Grade in the Piano Course, and have had two years' work in Music Theory.

K. Fitness for independent development as violinist, to such as have finished the Fourth Grade in the Violin Course, have reached the Fourth Grade in the Piano Course, and have had two years' work in Music Theory.

L. For ability as solo or concert violinists.

M. For ability as teacher of Music Theory, to students of Music Theory who have attained extensive knowledge of Harmony, and have shown special aptness in all their studies in the theory of music and have reached the Sixth Grade in the Piano Course.

Certificates of Dismissal are given after one year's attendance to such as take a single study in any one course.

Diplomas of distinction will be awarded as an acknowledgment of superior talent, eminent application and marked faithfulness to only such as have completed a full course.

As most of the students will teach later, special care is taken to train pupils for the profession of teaching Piano, Voice and Harmony. The course provided along these lines is the most complete that can be given.

JUNIOR WORK

A student is entitled to enter the Junior Class in Piano if he has reached the fifth grade,—having studied thoroughly at least the following Etudes: Doering, op. 44, books 1 and 2, op. 8, books 1 and 2; Czerny, Vol. I, (Germer), Vol. II, 1 part; Heller, Vols. I and II;

Germer, op. 35; Bach, Preludes; Bertini, op. 29 and 32; Bach, two-voice inventions.

A student is entitled to enter the Junior Class in Vocal if he has reached the Third Grade in Piano, the Sixth Grade in Vocal, and is ready to begin Harmony and Theory of Teachers' Instruction.

A student is entitled to enter the Junior Class in Violin if he has reached the Fourth Grade in Violin, the Third Grade in Piano, and is ready to begin Harmony instruction.

RECITATIONS

At the least, **two recitations** are required **weekly** in all the **leading studies of any course**. In Harmony the students recite daily in all beginning classes; in the advanced classes they receive three lessons and two lessons weekly, according to their advancement. Classes in Teachers' Instruction and in Forms recite twice a week. In Music Dictation, beginning classes recite daily, advanced classes three and two times a week. Chorus, Ensemble and Music History recite once or twice a week.

Special attention is called to the fact that almost twice as much instruction is given for the tuition paid as at any other college or music school. It has been found especially beneficial for beginners to recite at least three times a week in such leading subjects as Piano, Voice, Harmony, etc. We confidently believe that this departure is very much to the advantage of the students of the Music Department.

THE ORCHESTRA

A fine orchestra is maintained by the Music Department under the direction of Dr. Poehlmann. New students wishing to join this orchestra for the instruction they will receive in various instruments are ad-

mitted on a term fee of \$5. After one year's membership no fee is charged.

MODEL STUDENTS

A limited number of lads and misses will be received into the Music Department as model students for teachers in Piano, Violin and Voice who are receiving supervised instruction in teaching. Those who receive this instruction will be charged \$3 a term for two lessons each week. Application should be made to the Director, before the opening of the session, by all those desiring places.

REGULATIONS GOVERNING STUDENTS

Music students are not allowed to take private lessons from any music teacher who is not connected with the College, nor to take part in performances of any kind without the permission of the Director.

Each student is required to pay for sheet music used in the course; chorus and duet books are furnished by the conservatory.

Each beginning student is required to take at least one year's lessons from Professor Mehner or Miss Glenn. When sufficient progress has been made, the student is recommended to Dr. Poehlmann for enrollment in his classes.

At the end of each term, grades are given in all courses of that term; students are graded on progress, application and talent. The grade values are: A, very good; B, good; C, fair; D, poor; E, very poor.

Students, who for two successive terms are graded "D" in talent in a major subject are not eligible to continue the course leading to graduation.

Holidays, determined by the Faculty of the College, are observed by the Conservatory of Music. Lessons set for such days are not made up at other times.

Students who come from nearby towns for lessons in the various departments are required to pay full tuition and are given one hour lesson each week instead of two half hour lessons as regularly given to the students of the Conservatory of Music.

Each student is required to take a course of at least three years.

Some students may be, under certain conditions, excused from a subject.

Those who enter in the winter term must complete the year's work during the summer term.

No new class in Teacher's Instruction will be formed in the spring term.

The course during summer term is primarily for special work only and for those regular course students who have work to make up.

Students who are here only for the summer term may have instruction in all branches.

The general regulations as to the care, comfort and conduct of students in the Literary Department are binding upon the students of the Conservatory of Music. These regulations include the residence of all young ladies not from Grove City in the dormitories at the College, their attendance upon all the religious exercises, including the daily and Sunday chapel services, and their co-operation in all the interests which make for the maintenance of a good, moral and Christian atmosphere.

THE COLLEGE

The work of the College Department does not prove a hindrance to the interests of the Conservatory of Music, but rather a help. The enthusiasm and earnest purpose of the large number of men and women in the College serve as a stimulus. Indeed, the two departments are mutually stimulating, and many parents prefer to have their daughters take their work in Music under influences of this kind. The same interest and care which

are exercised over the students of the College are manifested in the management of the Conservatory of Music.

Full course students of the Conservatory of Music are permitted to take studies in the Literary Department, by the payment of five (\$5) dollars extra a term for any one college or preparatory subject, or ten (\$10) dollars for two or more literary subjects, when the music tuition is, for a full course as outlined below. No reduction is made when students of the Conservatory of Music take up Art, Commercial Branches or Stenography and Typewriting.

COURSES OF STUDY

PIANO—Piano.

Elements of Music
Harmony
Musical Forms and Analysis.
Counterpoint.
Music History
Ensemble.
Chorus.
Music Dictation

VOICE—Voice.

Piano.
Elements of Music.
Harmony.
Musical Forms (Lectures).
Music History.
Ensemble.
Declamation
French, German and Italian.
Music Dictation and Chorus.

VIOLIN—Violin

Piano.
Elements of Music
Harmony.
Counterpoint.
History.
Musical Forms (Lectures).
Ensemble.
Chorus.
Music Dictation.

MUSIC THEORY—Elements of

Music.
Harmony.
Counterpoint.
Musical Forms.
Composition.
Piano.
Music History.
Chorus.
Music Dictation.

PIANO-SEMINAR—Piano.

Theory of Piano Instruction,
(Lectures), two years.
Supervised Piano Instruction,
one year.
Elements of Music.
Harmony.
Counterpoint.
Composition.
Musical Forms (Lectures).
Ensemble.
Chorus.
Music Dictation.

VOICE-SEMINAR—Voice.

Theory of Voice Culture.
Supervised Voice Culture In-
struction, one year.
Elements of Music.
Harmony.
Piano.
Counterpoint.
Musical Forms (Lectures).
Ensemble.
Chorus.
Declamation.
Music Dictation.

VOICE (OPERA)—Voice

Interpretation of Opera.
Dramatic Rendition.
Elements of Music
Harmony
French and German.
Musical Forms (Lectures).
Music History.
Ensemble.
Chorus.
Music Dictation.

VIOLIN-SEMINAR—Violin.

Supervised Violin Instruction.
Piano.
Elements of Music.
Harmony.
Counterpoint.
Musical Forms (Lectures).
Music History.
Ensemble.
Chorus.
Music Dictation.

PLANS OF THE COURSES

PIANO COURSE

Piano playing has always been regarded as a function of the fingers, and training of the finger muscles for independence and quality has been the foundation for all technical practice. But within recent years a new principle has been sought by various theorists. Almost simultaneously all found themselves involved in the same problem,—relaxation, its value and application. Among others two great works, the books of Breithaupt and of Steinhausen, were published!. Both discerned in the great pianists the free and natural movement of the arm as the source of technic and referred this idea to its physiological sources. Breithaupt, the discoverer of most of the actions, has systematized them in their three aspects—physical, psychological and aesthetic. The problems of relaxation and weight are solved in his works and become the basis of a far-reaching system.

Breithaupt says: "The art of piano-playing is not striking, hammering and thrusting, but an art of sensitive, nervous finger-tips, velvet hands, and soft, round, complete movements of an elastic playing organism and finally the expression of that ever immeasurable and indeterminate tone-ideal, that lives half perceived, half unperceived in the mind."

This wonderful method of weight-technic which all players of sonorous tone, such as Busoni, Paderewsky,

Risterchi have used more or less unconsciously, is used in the work of the Conservatory.

FIRST YEAR

First Term (Fall).....	Elements of Music, Dictate, Chorus, History.
Second Term (Winter).....	Harmony. Dictate, Chorus, History.
Third Term (Spring).....	The same.

SECOND YEAR

First Term	Harmony. Forms. Teaching, Teacher's Instruction. Dictate, Chorus, History, Duets.
Second Term	The same.
Third Term	The same.

THIRD YEAR

First Term	Harmony. Forms. Teaching, Teacher's Instruction. Dictate, Chorus, History, Duets.
Second Term	Counterpoint, Forms. Teaching, Teacher's Instruction. Chorus, History.
Third Term	The same.

VOCAL COURSE

FIRST YEAR

First Term (Fall)	Elements of Music, Piano. Dictate, Chorus, History, Elocution.
Second Term (Winter).....	Harmony, Piano. Dictate, Chorus, History, Elocution, German or Italian.
Third Term (Spring).....	The same.

SECOND YEAR

First Term	Harmony, Piano, Teacher's Instruction. Dictate, Chorus, History. Elocution, German (French).
Second Term	The same. Duets.
Third Term	The same.

THIRD YEAR

First Term	Harmony, Teaching, Forms. Dictate, Chorus, History, German or French. Duets.
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Second Term	Counterpoint, Teaching, Forms. Chorus, History, Duets.
Third Term	The same.

VIOLIN COURSE

FIRST YEAR

First Term (Fall).....	Elements of Music, Piano. Dictate, Chorus, History.
Second Term (Winter).....	Harmony, Piano. Dictate, Chorus, History.
Third Term	The same.

SECOND YEAR

First Term	Harmony, Teaching, Forms. Dictate, Chorus, History, Orchestra.
Second Term	Counterpoint, Teaching, Forms. Chorus, History, Orchestra.
Third Term	The same.

PIANO DEPARTMENT

PIECES AND STUDIES

BEGINNING GRADE

STUDIES

Grade 1—

Technical Exercises (Vetter).
Tappert.
Doering, op. 44, book 1.
Koehler, op. 151.
Doering, op. 76, book 1.
Doering, op. 45, book 1.

Grade 2—

Doering, op. 44, book 2.
Doering, op. 45, book 2.
Doering, op. 76, books 2 and 3.
Germer, op. 36, books 1 and 2.
Loeschorn, op. 65, books 1 and 2.
Gurlitt, op. 82.

Grade 3—

Doering, op. 8, book 1; op. 23, book 1.
Doering, op. 166, books 1 and 3.

PIECES

Grade 1—

Little Folks' Songs, Germer, op. 32.
Reinecke, op. 54, Krause, op. 25.
Lichner, "Little Leaves and Flowers."
Gurlitt, "Album Leaves for the Young."
Schumann, op. 68, No. 1-6.
Reinecke, op. 107, book 1.

Grade 2—

Sonatinenalbum, by Germer.
Matthews' Introduction.
Reinecke, op. 107, book 2; op. 47, No. 1.
Rieman, op. 48.
Kullak, op. 61 and 82.
Wilm, op. 81, book 1.

Grade 3—

Mozart and Haydn Sonatas, easy selections.
Beethoven var., easy selections.
Mozart, Rondo, D.

Czerny, op. 299. (Germer),
books 1 and 2, or Behrens,
op. 68.
Germer, op. 37, books 1 and 3.
Heller (Germer).
Germer, op. 35, books 1 and 2
(Polyphony).
Bach, preludes.

Grade 4—

Huenten, op. 30, op. 80.
Doering, op. 8, book 2.
Czerny, op. 299, book 3.
Bertini, op. 29 and 32.
Heller or Schytte, op. 106.
Bach Inventions (two voices).
Czerny, op. 834, op. 92 (toccata).

Mozart, var., E.
Hummel, op. 122, op. 55.
Schumann, op. 68.
Beethoven, op. 49, op. 51.

Grade 4—

Mendelssohn Songs (Germer).
Mendelssohn, op. 72.
Clementi Sonatas, op. 26, 39, and 24.
Moscheles, op. 18.
Field, nocturnes.
Gade, op. 19, books 1 and 2.
Heller, op. 138.
Schubert, Ländler, allegretto C Minor, two Scherzi.

MIDDLE GRADE

Grade 5—

Cramer, book 1 (Germer).
Behrens, op. 61, books 3 and 4.
Czerny, op. 299, book 4.
Czerny, op. 740.
Loeschorn, op. 67, book 1.
Heller, op. 16.
Jensen, op. 32, books 1 and 2.
Haberber, op. 53.
Bach, Suiten French.
Doering, op. 33, book 2, op. 30.
Doering, op. 24, 25, octaves.
Doering, op. 46, double notes.

Grade 6—

Cramer, books 2 and 3.
Czerny, op. 740.
Czerny, op. 337, 40 daily studies.
Clementi, Gradus ad Parnasum, Germer.
Jensen, op. 32, book 3.
Doering, op. 33, book 3.
Bach, Inventions (3 voices).
Bach, Suiten English.
Bach, well-tempered clavier-chord.
Czerny, op. 335.
Kullak, octave studies.

Grade 5—

Beethoven, Bagat, op. 119.
Beethoven, op. 33.
Beethoven, op. 126.
Mozart, Haydn, Clementi, Sonatas.
Mendelssohn Songs.
Raff, op. 75, Jensen, op. 17.
Schumann, op. 124, op. 99, op. 68.
Schubert, op. 94, op. 90.
Grieg, op. 14, op. 30, op. 6, op. 12.
Kirchner, op. 7, op. 9, op. 2.
Rubenstein, Nevin, Ravina.
Henselt, Weber, Moscheles.

Grade 6—

Beethoven Sonatas.
Mozart, Haydn, Weber, Clementi.
Schubert Sonatas.
Schumann, op. 15, 82, 28.
Chopin, op. 28, preludes.
Chopin, nocturnes.
Chopin, mazurkas.
Chopin, waltzes.
Jensen, op. 43, 44, op. 2.
Heller, op. 92, 83.
Gade, op. 34, 36, 41.
Mendelssohn, op. 5, 7, 15, 16, 28, 33.

HIGHER GRADE

Grade 7—

Tausig, daily studies.
 Clementi, Gradus.
 Bach, Concerto in Italian style.
 Bach, well-tempered clavi-chord.
 Chopin, preludes, op. 28.
 Heller, op. 81.
 Moscheles, op. 80 and op. 43.
 Mueller, Capricen, op. 31, 34, 47, 29.

Grade 8—

Czerny, op. 365. Virtuoso School.
 Henselt, op. 2, 5 and 13.
 Clementi, Gradus.
 Bach, fugues.
 Moscheles, op. 95 and 51.
 Schumann, op. 3, 10 and 13.
 Chopin, op. 10, 25 and 28.
 Rubenstein, op. 23 and 81.
 Saint-Saens, op. 52.
 Liszt, Etudes, Transcend-entals.

Grade 7—

Weber, selected compositions.
 Brahms, op. 10 and op. 27.
 Beethoven, variations.
 Raff, op. 91.
 Rubenstein, op. 51.
 Scharwenka, op. 8.
 Saint-Saens, op. 23.
 Concertos, by Hummel, Dussek, Field, Mozart, Weber and Beethoven.

Grade 8—

Beethoven, Later Sonatas.
 Brahms, op. 1, 2 and 5.
 Chopin, op. 37, 22, 53, etc.
 Schumann, op. 6, 9, 17 and 10.
 Mendelssohn, op. 54.
 Moskowski, op. 14.
 Scharwenka, op. 6.
 Schubert, op. 53, 78, 143.
 Concertos, by Beethoven, Schu-
 bert, Handel, Schumann,
 Bach, Chopin, Brahms, Liszt,
 etc.

VIOLIN DEPARTMENT

GRADE 1.

STUDIES

Wohlfahrt, op. 451, op. 551,
 op. 92.
 Schroeder, op. 5.
 David, op. 441.
 Hom. Exercises, book 1.
 Kaiser, op. 20, book 1.
 Herig, op. 2.
 Abel, technical exercises.
 Rier, op. 26.
 Scholz, technical exercises.
 Schradick, technical studies.
 E. Kross, op. 100, studies in
 double stopping.
 E. Kross, op. 98, chord stud-
 ies.
 E. Kross, op. 18 scale studies.

PIECES

Hering, op. 66.
 Schroeder, op. 31, op. 7.
 Wohlfahrt, op. 301, op. 491.
 Hamel, op. 22.
 Hoffman, op. 202.
 Dancla, op. 123.
 Urban, op. 26.
 Weiss, op. 38.
 Wichtl, salongeiger.

GRADE 2

Beriot, op. 771.
 Weiss, op. 37 and 80.

Hubert, op. 99.
 Meier, op. 4.

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|--------------------------------|-------------------------------|
| Kaiser, op. 20, book 2. | Wohlfahrt, op. 50. |
| Dont, op. 26 and 38. | Handelalbum. |
| Boehmer, op. 6 and 59. | Hermann, op. 33. |
| Wohlfahrt, op. 58, 45, 74, 82. | Corellialbum. |
| Haessner, op. 42. | Hollaender, op. 18, 19, 3, 7. |

GRADE 3

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| Weiss, op. 37, book 2. | Bach, Sarabonde. |
| Abel, technical exercises. | David, op. 30. |
| Dont, op. 36 and 37, book 2. | Hauser, op. 51 and 60. |
| Schroeder, op. 5, book 2. | Heitsch, op. 4, Romance. |
| Kaiser, op. 20, book 3. | Kreutzer, op. 36. |
| Mazas, op. 36. | Boehmer, op. 26. |
| Scholz, technical exercises. | Kudelski, op. 13, 17, 26. |
| Sauret, technical exercises. | Beriot, air variee. |

GRADE 4

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| Casorti, op. 51 and 41. | David, concert studies. |
| Kreutzer, forty studies. | Rope, op. 16, and 10. |
| Mazas, op. 36, books 2 and 3. | Spohr, op. 135, Barcole. |
| Fiorillo, thirty-six studies. | Beethoven, Concertos. |
| Rode, fourteen caprices. | Kreutzer, op. 50 and 40. |
| Rolla, op. 10. | Handel, sonatas. |
| Huellweck, orchestra studies. | Mozart, concertos. |
| Rovelli, twelve caprices. | Raff, op. 85. |
| Abel, twenty-five studies. | Viotti, concertos. |
| David, op. 9 and 20. | Beriot, concertos. |

GRADE 5

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| Gavinies, twenty-four studies. | Bach, concertos. |
| Lauderbach, op. 2. | David, op. 39. |
| Dont, op. 35. | Tartina, sonatos. |
| Paganini, moto perpetua. | Spohr, concertos. |
| Bach, six sonatas for violin alone. | Corelli, sonatos. |
| Vieuxtemps, op. 16. | Mendelssohn, op. 64. |
| Wieniawski, op. 16. | Saint-Saens, op. 58. |
| Schradick, op. 1. | Bruch, op. 42, 46, 26, 44. |
| Abel, six studies. | Beethoven, op. 61. |
| Paganini, studies. | Bazzini, op. 15. |

ORGAN DEPARTMENT

The demand from many quarters for pipe organ instruction, and especially by those who are qualifying to become church organists, has led to the installing of a very fine pipe organ in the Music Department. The organ is of the latest design, pneumatic action throughout, and is especially adapted to the work of instruction.

Herr Gustav Mehner is splendidly equipped to train pipe organists. He was for four years under some of the most noted organists of Europe and is a musician and artist of the highest standing.

The regular fee for instruction is \$32 for a term of three months.

For practice periods \$5 is charged for each period of one hour per day. A special auditorium is set aside for this work, so that considering the expense of heating and lighting and the necessary expense of a water motor for working the bellows, the fee for this branch is very reasonable.

The student should not commence the study of this instrument until a good practical knowledge of the piano has been obtained. As the organ is principally used in connection with the church service, special attention will be given to the art of service accompaniment. Instruction in the mechanism of the pipe organ will be given to all organ students.

Grade 1—Merkel Organ School, Part 1. Manual playing in two, three and four parts.

Grade 2—Merkel Organ School, Part 2. The natural pedalling; regular alternating of both feet.

Artificial Pedalling; the use of point and heel of the same foot.

Easy pieces by Batiste, Dolmetch, Flagler, Lemaigre, Merkel and others.

Sight Reading; easy hymn tunes with the pedals.

Grade 3—Nilson Pedal Studies.

Merkel, Parts 3 and 4. Various pieces for study and church use.

Selected Pieces by Rhienberg, Dubois and others.

Sight Reading; Hymn tunes in more difficult style.

Grade 4—Nilson Pedal Studies, continued.

Schneider,—forty-four studies. (Manuals and Pedals continued.)

Bach,—Eight short Preludes and Fugues.

Some of his Chorals.

Rheinberger,—Meditations.

Other pieces by Guilmant, Malling, La Toutbelle and others.

Grade 5—Pedal Studies by Nilson and Schneider to be completed.

Bach,—Preludes and Fugues of medium difficulty.

Mendelssohn,—Preludes and Sonatas. (Nos. 2 and 5.)

Rheinberger,—Sonata. (A Minor.)

Selected pieces by Guilmant, Widor, C. Frank and others.

Grade 6—Selected studies suitable for the grade.

Mendelssohn,—Sonatas. (1, 3, 4, 6.)

Bach,—Toccatas, Preludes and Fugues.

Merkel,—Sonatas.

Schumann,—Fugues.

Rheinberger,—Sonatas, (C Major and others,) and Concertos.

Widor,—Symphonies.

Guilmant,—Sonatas.

Liszt,—Prelude and Fugue on the name; Bach.

Reger,—Preludes and Fugues. Trios. Sonata, (F sharp Minor.)

Other pieces selected for concert use.

Diplomas will be given as follows: (a) For ability as church organist to such organ students as have reached the Fifth Grade in the Organ course, have completed the work in Harmony, have shown sufficient knowledge in transposition and improvisation are acquainted with the mechanism of the organ. (b) For ability as solo organist to such organ students as have completed the Sixth Grade in the Organ Course, have shown sufficient knowledge in Theory of Music and are acquainted with the mechanism of the organ.

VOCAL DEPARTMENT

Our vocal instruction is based on the so-called pure Italian method. Therefore the fundamental principles of vocal art, such as breathing, position of larynx, tongue and mouth—in short all functions of the tone-producing and tone-strengthening organs—will receive the most careful and patient attention. The result will be a normal, well placed, easy flowing, resonant and beautiful tone. This is the most important and most difficult part

of voice culture. While the Italian method, which treats the voice as a beautiful instrument only, forms the necessary basis of the vocalism, it is absolutely inadequate for the proper rendition of modern music. This demands a perfect treatment of all vowels, consonants, words, phrases and sentences, or all modulations, of emotions and sentiments as indicated by the underlying poem; of which the music is but a higher expression. Therefore, the vocal art requires the most patient and faithful study, and pupils must ever bear in mind that, while "Art is long and time is fleeting," vocal art is the longest, the deepest, the most difficult, as it is the most beautiful of the arts.

VOCAL COURSE OF STUDY

Grade 1—J. Smith's Method: Posture, Breathing, Exercises 14 to 17; Tone Production, Part I, Exercises 29-35.

Grade 2—J. Smiths: Tone-Production, Part III; Exercises 36-39.

Grade 3—J. Smiths: Tone-Production, Part III; Exercises 40-60.

Tone-Production, Part IV; Secondary Vowels. Tone-Production, Part I; Diphthongs or Compound vowels.

Grade 4—J. Smiths: Articulation, Exercises 67-72. Pronunciation, Exercises 73-77. Intervals. The Eaziest Solfeggi.

Grade 5—J. Smiths: Exercise 78 for the extension of the compass; scales; Sostenuuto Exercises. Easy Solfeggi; Easy English Songs.

Grade 6—J. Smiths: Arpeggio; Embellishments; Coloratur Exercises; medium Solfeggi, and Songs by Mendelssohn, Schubert, Schumann.

Grade 7—Continuation of preceding exercises; advanced Solfeggi; songs in Italian, German and French Languages.

Grade 8—Oratorio Study.

Grade 9—Opera Study.

The following musical entertainments were given by the students during the year 1913-14:

EVENING MUSICALE

Given by

MISS I. POEHLMANN, Pianist

Assisted by Miss M. Gealy, Soprano, and Miss E.

Reynolds, Violinist

Monday Evening, May 25, 1914.

PROGRAM

- Second Suite in E. Major for Piano and Violin.....E. Schuett
 Allegro Moderato
 Scherzo
 Moto Amoroso
 Finale
 Vocal Solo: Elsa's Dream, from the Opera "Lohengrin"
 R. Wagner
 Piano Solo: Papillons, Op. 2 R. Schumann
 Vocal Soli: "Was It In June?" L. Koemmerich
 No, No, No, Waltz Song T. Mattei
 Piano Soli: Berceuse
 Butterfly
 Rigando, Op. 40, No. 5..... E. Grieg
 Rigando is a dance of ancient style, crisp and lively, contrast being afforded by the more tranquil Trio.

ORGAN RECITAL

Given by

MISS H. KELLY

Assisted by Prof. A. Hanna (Tenor)

Monday, June 1, 1914.

PROGRAM

- Prelude a. Fugue in A Major J. S. Bach
 Tenor Solo: Rec.—"Comfort Ye My People" and "Aria:"
 "Every Valley Shall be Exalted" from the Oratorio:
 "The Messiah" G. Haendel
 Sonata in C Minor F. Mendelssohn
 Prelude du Deluge C. Saint-Sains
 Tenor Soli: (a) Machushla McMurrough
 (b) Yesterday and To-Day Spross
 (c) Who Is Silvia? F. Schubert
 Toccata Widor

OPEN RECITAL

Given by

THE POST-GRADUATES OF THE MUSIC DE-
PARTMENT OF GROVE CITY COLLEGE

Assisted by Miss G. Groleau, Mr. W. Dodds, Prof. H.

Dickey

Wednesday, June 3, 1914

PROGRAM

Piano Solo: Drifting	R. Friml
Miss A. Moorehead	
Vocal Soli: (a) Echo	L. Somerset
(b) Little Boy Blue	F. Joyce
Miss G. Groleau	
Autumn. Etude de Concert, No. 2.....	C. Chaminade
Miss E. Bachop	
Violin Solo: V. Nocturno	J. Leybach
Miss S. Boots	
Piano Soli: (a) Berceuse	F. Chopin
(b) The Fauns	C. Chaminade
Mr. S. Seiple	
Vocal Soli: (a) "The Evening Star,"	
Romance from Tannhauser.....	R. Wagner
(b) Bedouin Love Song	D. Buck
Mr. W. Dodds	
Piano Solo: Hungarian Fantasia, with Accomp. of Second	
Piano	F. Liszt
Prof. H. Dickey	

MUSICAL ENTERTAINMENT

Given by

THE MUSIC GRADUATES OF GROVE CITY
COLLEGEAssisted by Miss M. Gealy, Soprano, Miss E. Reynolds,
Violinist, Miss J. Glenn and Prof. Mehner, Accom-
panists and the Orchestra under direction of

Dr. H. Poehlmann.

Monday Evening, June 8, 1914, Carnegie Hall

Eight O'clock.

PROGRAM

Part I.

Overture: Marriage of Figaro	W. A. Mozart
Concert for Piano and Orchestra, Op. 79.....	C. M. V. Weber
Miss I. Poehlmann	
Soprano Solo: Rec. and Aria: "With Verdure Clad"	
From the Oratorio—The Creation.....	I. Haydn
Miss L. Peifer	
Piano Solo: Impromptu Op. 90, No. 4.....	F. Schubert
Miss E. Bell	
Violin Solo: (a) Cavatina	J. Raff
(b) Serenade	W. Drdla
Miss E. Reynolds	
Essay: Appreciation of Good Music	Miss M. Freeman

Part II.

Organ Solo: Sonata in G. Minor	G. Merkel
1. Mov. Maestoso	
II. Mov. Adagio	
III. Mov. Allegro assai and Fugue	
Miss H. Kelly	
Vocal Soli: (a) With Myrtle and Roses.....	R. Schumann
(b) Song of Spring	A. V. Fielitz
Miss E. Duppsstadt	
Piano Duet: Au Village, Scene Poetic.....	B. Godard
Misses B. Montgomery and B. Smith	
Vocal Soli: (a) Rec. and Aria: O Come, My Heart's De-	
light—from the Opera "Marriage of Figaro".....	Mozart
(b) Valse from the Opera "Romeo and Juliet"	
.....	G. Gounod
Miss M. Gealy	
Scherzo for Piano and Violin from II. Suite.....	E. Schuett
Misses I. Poehlmann and E. Reynolds	
Coronation March	E. Kretsmer

RATES OF TUITION PER TERM

PRIVATE LESSONS

Vocal

	1914-15	Sept. 1916
Instruction given by Dr. Poehlmann.		
One term's instruction, (two half hour lessons a week).....	\$32.00	\$32.00
One term's instruction, (one half-hour lesson a week).....	17.00	17.00
Instruction given by an Assistant.		
One term's instruction, (two half-hour lessons a week).....	17.00	27.00
One term's instruction, (one half-hour lesson a week).....	15.00	15.00

Piano

Instruction given by Dr. Poehlmann or Prof. Mehner

Two half-hour lessons a week	32.00	32.00
One half-hour lesson a week	17.00	17.00
Instruction given by an Assistant		
Two half-hour lessons a week.....	24.00	24.00
One half-hour lesson a week.....	12.00	12.00

Organ

Instruction given by Prof. Mehner

Two half-hour lessons a week	32.00	32.00
One half-hour lesson a week	17.00	17.00

Violin

Instruction given by Dr. Poehlmann.

Two half-hour lessons a week.....	32.00	32.00
One half-hour lesson a week.....	17.00	17.00

Other Expenses

Harmony (in classes).....	12.00	15.00
Counterpoint (in classes of two).....	15.00	20.00
Composition (in classes of two).....	20.00	25.00
Teachers' Instruction in Piano.....	6.00	10.00
Teachers' Instruction in Voice.....	6.00	10.00
Dictation and Ear Training.....	6.00	6.00
Forms and Analysis	6.00	10.00

Duet Lessons in Piano

One half-hour lesson with one of the Professors	6.00	6.00
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Piano duets are free for all students who have Piano
and Harmony

Chorus is free for all music students.

Music History is free for all music students.

Piano accompanists' course.....	\$10.00	\$10.00
Elements of Music	8.00	8.00

Piano practice periods in the Music Hall, forty minutes, for the term.....	1.00	1.00
For Music Library, Sheet Music for Chorus and Ensemble	1.00	1.00
Fees for certificates of any kind	2.00	2.00
Additions or duplicates	1.00	1.00
Organ practice periods in Carnegie Hall, one hour, for the term	5.00	5.00
Certificates of Dismissal	1.50	1.50
Diplomas	3.00	3.00
Special Examinations	1.00	1.00

Tuition is payable invariably in advance. No matriculation or registration fees, or entrance fees to college athletic games are charged. A reduction of \$5.00 is made in the tuition for two lessons per week in Vocal, Piano, Organ or Violin to the student who has already paid tuition for two lessons per week in another one of these branches.

A student leaving college during the first four weeks of the term is refunded one-half all tuitions. Students resident in the college dormitories who leave before the end of the term are charged rental for the room for the full term and are refunded any unused boarding (a fraction of a week is charged to the student as a full week).

GROVE CITY COMMERCIAL SCHOOL

Grove City Commercial School is closely connected in its organization with Grove City College. It maintains a course of study especially adapted to the needs of young men and women preparing themselves to become bookkeeping, banking, counting room work, and all

COMMERCIAL COURSE

The course is similar to that pursued in the leading schools of the country and furnishes instruction fully equal to that found in the best business colleges of the State. We offer in this department a complete commercial course, one which prepares for business life in the widest sense and which gives thorough instruction in bookkeeping, banking, counting room work, and all such subjects.

BOOKKEEPING

Instruction in this branch is divided into four departments: Introductory, Intermediate, Advanced and Office Departments. The work is so planned that all other branches of study are made to keep pace with the student's progress in bookkeeping.

In the Introductory Department the pupil is thoroughly grounded in the principles and forms of negotiable paper and all such documents as pertain to practical business.

In the Intermediate Department the student is thoroughly tested as to his proficiency in the work already performed. Special forms of books are opened and closed, and advanced courses in commercial law and business correspondence are pursued and complicated features of accounts are carefully considered and mastered.

In the Advanced Department several special lines of work are taken up covering banking, wholesaling, commission house work, jobbing house work, transportation, and business practice.

COLLEGE NATIONAL BANK

The Bank sustains the same relation to the pupils that the regular bank does to business men. It receives deposits, pays checks, collects notes and drafts, as well as domestic and foreign exchange, issues certificates of deposit, etc.

WHOLESALE HOUSE

Our wholesale house buys its goods of jobbers and sells at wholesale rates to the business practice department. The duties of this office involve writing letters, making out bills, preparing invoices, keeping banking accounts, rendering statements, drawing and paying drafts, notes, etc.

BUSINESS PRACTICE

The business practice and the counting room are the leading features of our commercial course and do more to advance the student in his work than any other feature of the business course. Here the pupils become in all essential particulars business men. They are provided with capital and with all necessary documents, the books and stationery of a business house. They are lead through a course of transactions, correspondence and records which are adapted to the thorough training of the student. This work is very comprehensive, including the keeping of a set of books, the drawing up of all kinds of business documents, including drafts, notes, checks, leases, mortgages, deeds, co-partnership and other contracts, receipts, orders, and all such business forms as pertain to actual business.

COMMERCIAL LAW

We give special attention to commercial law. No student is equipped to go out into business who has not a thorough knowledge of the essential laws of business. We use as our leading text-book a work entitled "Commercial Law," published by Williams & Rogers, and go thoroughly into such subjects as the laws governing transactions, negotiable paper, agency, partnership, joint stock companies, corporations, insurance, interest, liens, tender, payment, real estate conveyance, etc., etc.

PENMANSHIP

We insist that our students shall take penmanship during the entire course until they become skillful business penmen. There are hours for penmanship practice daily during the entire course.

OUTLINE OF WORK

Commercial Law.
Business Correspondence.
Rapid Calculation.
Commercial Arithmetic.
English Grammar.
Penmanship.

Bookkeeping—Initiatory Blanks are Journal, Cash Book, Sales Book, Bill Book and Ledger. Intermediate and Advanced are Special Column Journal, Retail, Commission, Jobbing, Manufacturing, Single Entry, Banking and Three Weeks in Business Practice, with general review of previous work.

Business Practice includes keeping a set of books, receiving and issuing checks, notes, drafts, certificates of deposit, invoices and telegrams.

STENOGRAPHY AND TYPEWRITING

Practical stenographers and typists are in demand in almost every branch of business. The field for the practical application of stenography and typewriting is daily enlarging. Good stenographers and typists find ready employment at good salaries.

We teach the touch system of typewriting and the use of different typewriting machines, such as Remington, Visible Underwood, etc.

The time required to become a rapid office stenographer is, on the average, nine months. We guarantee to prepare the average student who applies himself for practical office work as a stenographer in three terms.

TUITION

Tuition in the Commercial School is \$28 per term. This permits the student to receive instruction in all branches pertaining to this course as well as instruction in grammar and arithmetic. Most students are able to complete the course in two terms, especially those who have a good knowledge of the common branches. Books and stationery, \$6 for the course.

Tuition in Stenography, \$28.00 per term.

Tuition in Typewriting, \$10 per term, including the use of the machine for that time; practice for an additional term, \$5.

A diploma is awarded to each graduate setting forth the fact of graduation, and efficiency attained.

We can furnish sufficient work to employ the entire time of the students, yet many take advantage of the literary work of the College. Those taking one subject in the College are required to pay \$5; those taking two or more subjects, \$10.

SPECIAL ADVANTAGES

1. The opportunity of pursuing a business course under the best Christian influences.
2. The exceedingly low cost of a course in business here as compared with that of the usual business or commercial college.
3. The stimulus incident to association with earnest students in the College.

4. The opportunity of taking literary studies in connection with the business course.

5. The comparative safety of a student from the vices and allurements of a large city.

6. Access to the college library and reading room, the advantage of literary and musical societies at the College, and the free use of all facilities provided for the college students.

7. The opportunity of taking stenography and typewriting in connection with commercial studies is improved by many who enter the business department.

GROVE CITY SCHOOL OF ART

The Grove City School of Art was organized in 1893, since which time there has been a manifest growth of art sentiment in the community. It is closely affiliated with Grove City College.

Miss Lilian McConkey, who received her training in some of the best art schools of this country and notably at the Academy of Fine Arts, Philadelphia, and who has had several years successful experience in teaching was engaged to take charge of this work at the beginning of the year 1904-05.

Miss McConkey has demonstrated her fitness for the position and has been very successful in creating in her pupils a love for art in the highest sense. At her request she was excused during the year 1912-1913 for a year's advanced study at the Academy of Fine Arts, Philadelphia, from which place she returned full of new ideas and methods for her work.

Miss McConkey is a constant and conscientious student herself, and has the power of seeing nature with seeing eyes. She has also the gift of interpreting nature for others and gives to each pupil her careful and personal attention.

The remarkable showing upon our walls of each year's output in all the classes of the department in creative, as well as merely representative work, is evidence that students are being truly educated. The work reveals the sensitiveness that has been developed in them to all forms of beauty—beauty of form, of color, of line, of mass and of value, and with it the power to express those images of beauty which William M. Chase, the artist, so graphically calls the Oratory of Art.

The regular course in the fine arts is compassed by the average pupil in two years, if the entire time is spent

in the studio. This includes four regular lessons a week from the instructor and personal criticisms in all the work done in her absence. The tuition for the full course work is \$27 a term. To those not wishing to follow the regular course of work, two lessons a week will be given for \$15 a term. Students, who desire to take literary work can do so by paying \$10 for one subject or \$15 for two or more subjects. Art students who take music or commercial work, pay the full tuition in these respective departments. Those students, desiring to take up art for public school work, will be furnished instruction along this line. The foundation of the work will be the same as that required in the regular course, changes being made to suit the requirements of this work. The time for the completion of this course and the tuition will be the same as the other. This is a line of work that is practical and for which there is great demand. Quite a number of our graduates are successfully engaged in this work.

The following is a brief outline of the work compassed in the Fine Arts:

Crayon drawing from geometrical solids and vases with applied perspective. Lead pencil drawing after foliage and flowers from nature, with training in observation of plant growth for use in flower painting from nature.

Charcoal drawing from still life as exercised in composition and for study of varied colored values. Brush drawing in sepia and charcoal, gray from foliage, casts and still life. Practice for the handling of water color. Historic ornament; time sketching; perspective, antique drawing from casts of the human body; water color from the flat and from nature. Oil from the flat and from nature. China sketching; art history; outdoor sketching.

For those desiring to teach art in the schools, special work is outlined in mechanical drawing, design, his-

toric ornament, figure and animal drawing, pictorial representation, art history, etc.

Miss McConkey, while in the East, has found time to look up the newest and very latest things in china decoration and is prepared to give her pupils the best to be had along this line. Special inducements are given in this department and, if so desired, instruction will be given without previous training and the same careful attention as to their taking a more serious outlook of the subject.

COURSE IN FINE ARTS

FIRST YEAR—FIRST TERM

Drawing from type forms.
Shading of type forms in charcoal and crayon.
Drawing from still-life.
Study of plant growth.
Still-life in charcoal.
Perspective.
Bust work in sepia.

SECOND TERM

Crayon work in bas-relief.
Water colour from the flat.
Memory sketching.
Time sketching.
Work for historic ornament.
Study of colour from nature in simple forms.
Composition.

THIRD TERM

Oil from the flat.
Drawing from casts of human figure.
Sketching from nature in pencil.
Harmony.
Drawing from animals.
Studies in life and action.
Original compositions.

SECOND YEAR—FIRST TERM

Still-life in oil.
Drawing from the antique.
Design.
Outdoor sketching in oil.
Pose drawing.
Biography in Art.

SECOND TERM

Drawing for the Antique.
China painting.
Original designing and decoration.
Drawing from life.
History of art.
Scrub method in water-colour.
Original studies.

THIRD TERM

Still life in water colour.
Drawing from the Antique.
Drawing from life.
Outdoor sketching in water-colour.
Original illustration in black and white.
Teaching.

RATES OF TUITION PER TERM

Course in Fine Arts	\$27.00
Course in School Art	27.00
China Painting	15.00
Water Color	15.00
Oil	15.00

DEGREES AND HONORS

At the annual meeting of the Board of Trustees June 9, 1914, the following degrees were conferred; they were awarded at the Commencement June 10, 1914:

BACHELOR OF PHILOSOPHY

Boone, Odis Vern	Grove City
Boucher, Samuel Doid	Lovejoy
Baker, Victor Lewis	Clairton
Crawford, Glenn Martin	New Alexander
Hawthorne, John Donnal	Mercer
Jankins, John Clair	Albion
Kennedy, George Earl	Mars
McCord, Walter Daugherty	Grove City
Peeler, Margaret Cecelia	Grove City
Ramsey, Frank Earl	Hookstown

... BACHELOR OF SCIENCE

Colwell, Turney Elmer	Parkers Landing
Fisher, George Clifford	Grove City
Green, Lee Morrison	Kittanning
Gaut, Arthur Eugene	Wilkinsburg
Nelson, Claude Allison	Rimersburg
Schaller, Chauncey Willaman	Clark
Spearman, John Jopson	Grove City
Southworth, George Clark	Townville
Young, Ernest Charles	Grove City

BACHELOR OF ARTS

Adams, Lytle Wiggins	Penn Runn
Bovard, Samuel Robert	Grove City
Black, Gladys Elizabeth	Grove City
Black, Joseph Loyal	Grove City
Cribbs, James Elias	Grove City
Conley, Clarence A.	Mars
Dean, Orman Lamont	Grove City
Daubenspeck, Frank Thorne	North Washington
Foster, Marcia Gertrude	Nescopeck
Groleau, Georgina Naomi	Uniontown

Good, Frank Jewell	Dayton
Hawkins, Lillian Mabel	Jefferson
Hazelwood, Stephen Henry	New Castle
Kimmel, Mary Elizabeth	Latrobe
Kelly, Thomas Vergil	Eau Claire
Lemmon, Robert Gaut	Mount Pleasant
Lyon, Wilbur Harvey	Cannonsburg
McConnell, Ralph Ira	Hadley
McDowell, Thomas Howard	Grove City
McEldowney, Mary Helen	Sharon
McIntyre, John Dewitt	Dayton
Mathay, Edna Rejetta	Sharon
Marshall, Daryl Cedric	Dayton
O'Donnell, Lee Irving	Butler
Orwig, Samuel Earl	Phillipsburg
Patton, Jean Katharine Elaina	Vandergrift
Patton, Lilian Mayme	Vandergrift
Prindle, John Clair	North East
Purvis, Samuel John	Grove City
Phillips, Arthur W.	Emlenton
Ross, Franklin Clair	Grove City
Ross, Lela Elizabeth	Grove City
Robison, John Lawrence	New Castle
Say, David Lester	Parkers Landing
Scott, James E.	Kitzmiller (Maryland)
Stockdale, Howard Reuben	Echo
Stewart, Mary Mabel	Washington, D. C.
Sturgeon, Minnie Louise	Grove City
Stuchel, James Clair	Dayton
Turner, John Lambert	Grove City
Wiggins, Nellie Julia	Vandergrift
Young, Mary	Grove City
Ziel, Hermann Augustus	Crafton

MUSIC GRADUATES

Bell, Ellen	Punxsutawney
Duppstadt, Elsie Mary	Somerset
Kelly, Helen Olive Pauline	New Castle
Freeman, Maud Ruth	Cambridge Springs
Montgomery, Charlotte Blanche	Grove City
Peifer, Leona	Dubois
Poehlmann, Ilse Katherine	Grove City
Smith, Beulah Joy	Cabot

MASTER OF SCIENCE IN CURSU

Ramsey, George G., 1908, Professor of Science in the High School, New Kensington, Pennsylvania.

DOCTOR OF DIVINITY, HONORARY

Chambers, William Annan, 1889, Pastor of the United Presbyterian Church, West Sunbury, Pennsylvania.

Dunbar, Joseph Wallace, Pastor of the First Presbyterian Church, Chester, West Virginia.

Houston, Walter H., 1884, Secretary of the Department of Vacancy and Supply of the Presbyterian Church, Columbus, O.

DOCTOR OF PHILOSOPHY IN CURSU

Dewing, George H., Professor of Philosophy in Aurora College, Aurora, Illinois.

Forrer, Samuel Henry, Pastor of the Park Presbyterian Church, Erie, Pennsylvania.

Hood, Harry Lincoln, Pastor of the East Buffalo United Presbyterian Church, Washington, Pennsylvania.

Oyler, Richard Skyles, Gettysburg, Pennsylvania.

Taylor, George, Jr., Pastor of the First Presbyterian Church of Wilkesburg, Pennsylvania.

Thompson, Thomas Ewing, 1899, Haffey, Pennsylvania.

Turney, Omar Asa, Civil Engineer, Phoenix, Arizona.

HONORS

Summa cum laude:—Mary Elizabeth Kimmel, Samuel Earl Orwig, Mary Young.

Magna cum laude:—James Elias Cribbs, Arthur Eugene Gaut, Claude Allison Nelson, Jean Katharine Elaina Patton, John Clair Prindle, Minnie Louise Sturgeon.

Cum laude:—Gladys Elizabeth Black, Turney Elmer Colwell, Orman Lamont Dean, Lillian Mabel Hawkins, Thomas Howard McDowell, Lee Irving O'Donnell, John Jopson Spearman, Mary Mabel Stewart, John Clair Stuchel, John Lambert Turner, Nellie Julia Wiggins, Ernest Charles Young.

Cum laude in Physics:—George Clark Southworth.

ROSTER OF STUDENTS

POST-GRADUATES

Bickett, William J.	Rahway, New Jersey
Bigler, John F.	Grove City, Penna.
Brown, George W.	Harrisville, Pa.
Burton, Willis S.	Tionesta, Pa.
Campbell, J. G.	Jhelum, India
Campbell, Wilbur M.	Hoihow, China
Capers, T. Stacy	Princeton, New Jersey
Coughlin, James M.	Wilkes-Barre, Pa.
Crowther, Glenn, H.	Grove City, Pa.
Cray, D. J.	Wilkes-Barre, Pa.
Dewing, George H.	Aurora, Ill.
Dean, Jesse Albert	Chama, Mexico
Dundore, Paul J.	Latrobe, Pa.
Forrer, Samuel H.	Erie, Pa.
Gilliland, Howard S.	Chester, West Va.
Hood, H. L.	Washington, Pa.
Howe, Edwin C.	Grove City, Pa.
Hoban, C. F.	Dunmore, Pa.
Lawther, J. H.	Bellaire, Ohio
Lee, G. Francis	Brooklyn, New York
Lynch, J. J.	St. Marys, Pa.
McKinley, Harry C.	Polk, Pa.
Merrick, D. R.	Knoxville, Pa.
Nicholson, H. S.	Monroe, Pa.
Oyler, R. S.	Gettysburg, Pa.
Platt, Charles	Mansfield, Pa.
Powell, A. C.	Grove City, Pa.
Ramsey, U. C.	Portersville, Pa.
Rinker, Austin J.	Mercer, Pa.
Southworth, George C.	Grove City, Pa.
Sweeney, J. W.	St. Marys, Pa.
Taylor, George, Jr.	Wilkinsburg, Pa.
Thompson, T. E.	Haffey, Pa.
Turnbach, S. P.	Hazelton, Pa.
Turney, Omar A.	Phoenix, Ariz.
Vogan, Anna	Orange, New Jersey
Welsh, Ruth,	New Castle, Pa.
Wozencraft, J. G.	McConnellsville, Ohio
Wilie, R. C.	North Side, Pittsburgh, Pa.

Total 39; 37 men, 2 women.

SENIORS

Brunstetter, R. H.	ph.b.....	Clairton, Pa.
Campbell, Gurvin	ph.b.....	Big Run, Pa.
Clawges, Ross W.	b.s.....	Reynoldsville, Pa.
Connell, Joanna	a.b.....	Erie, Pa.
Cummins, D. M.	ph.b.....	McDonald, Pa.
Gearhart, H. A.	a.b.....	Dayton, Pa.
Gilliland, C. H.	ph.b.....	West Middlesex, Pa.
Henderson, C. D.	a.b.....	Sandy Lake, Pa.
McCune, Katherine	a.b.....	Grove City, Pa.
McClelland, C. R.	a.b.....	Blairsville, Pa.
Martin, Elsie	a.b.....	Baden, Pa.
Miller, Madge	a.b.....	Avonmore, Pa.
Minehan, Anna	a.b.....	Sharpsville, Pa.
Montgomery, Mabel	a.b.....	Grove City, Pa.
Pringle, Samuel W.	a.b.....	Grove City, Pa.
Rodgers, Howard	a.b.....	Pittsburgh, Pa.
Robbins, Minnie	a.b.....	Grove City, Pa.
Thomas, Horace G.	a.b.....	Coraopolis, Pa.
Thompson, Matilda	a.b.....	Sharon, Pa.
Weisgerber, Cyrus A.	a.b.....	Luthersburg, Pa.
Urch, Erwin J.	a.b.....	Wattsburg, Pa.

Total, 21; 12 men, 9 women.

QUALIFYING SENIORS

Bell, Howard	ph.b.....	York, Nebraska
Benade, Anna	a.b.....	Big Run, Pa.
Black, Helen	a.b.....	Richmond, Ohio
Cox, Emma	a.b.....	Munhall, Pa.
Cox, Margaret	a.b.....	Munhall, Pa.
Durstine, Sherman	b.s.....	Mount Pleasant, Pa.
Elliott, Howard H., Jr.	a.b.....	Freeport, Pa.
Gahagan, C. H.	a.b.....	Dayton, Pa.
Headley, F. D.	a.b.....	West Finley, Pa.
Hughes, H. Merrill	b.s.....	Emlenton, Pa.
Hogg, Calvin	a.b.....	Slippery Rock, Pa.
Keister, W. P. H.	b.s.....	Export, Pa.
Kind, Samuel H.	b.s.....	Valencia, Pa.
King, Edward, C.	ph.b.....	Grove City, Pa.
Knapp, J. Scott	a.b.....	Clarks Mills, Pa.
Lash, Harry M.	b.s.....	Yohogany, Pa.
McCord, Thomas T.	ph.b.....	McKeesport, Pa.
Marshall, Ada	a.b.....	Dayton, Pa.

Montgomery, M. E.	litt.b.....	Grove City, Pa.
Meley, Everett L.	b.s.....	Clarendon, Pa.
Moser, Walter	a.b.....	Butler, Pa.
Neely, W. H.	b.s.....	Emlenton, Pa.
Owens, J. D.	a.b.....	Braddock, Pa.
Ramsey, Frank	a.b.....	Hanlin Station, Pa.
Reed, Harold S.	a.b.....	Erie, Pa.
Spleen, Florence	a.b.....	Kane, Pa.
Sproull, B. C.	b.s.....	Bruin, Pa.
Thounhurst, Gertrude	a.b.....	Avonmore, Pa.
Wert, Logan M.	b.s.....	Sharpsville, Pa.
Whieldon, Harold D.	a.b.....	Grove City, Pa.
Whitehill, D. W.	a.b.....	Hookstown, Pa.

Total, 30; 23 men, 7 women.

JUNIORS

Allen, Percival	Grove City, Pa.
Atkinson, Mabel	Elm Grove, West Va.
Brogan, Grace	Clairton, Pa.
Campbell, Dorothy	Big Run, Pa.
Cloos, Ira	Crafton, Pa.
Covert, Alice	Portersville, Pa.
Dunlap, Forest P.	Jackson Center, Pa.
Gallagher, Benjamin	Clarks Mills, Pa.
Harbison, Effie	Tarentum, Pa.
Helsman, F. B.	Bernice, Pa.
Hillard, Archie	Wilkinsburg, Pa.
Hosick, Gertrude	Grove City, Pa.
Kirkpatrick, J. Max	Shirleysburg, Pa.
McCamey, Harold E.	Grove City, Pa.
Martin, C. L.	Hillsville, Pa.
Mitchell, Leah	Sharon, Pa.
Muller, Mabel	Somerset, Pa.
O'Donnell, Wayne E.	Reynoldsville, Pa.
Patterson, H. D.	Grove City, Pa.
Purvis, George	Grove City, Pa.
Ralston, Ray	Conneaut Lake, Pa.
Soper, Lynn G.	Shinglehouse, Pa.
Stahlman, C. E.	Sykesville, Pa.
Thorn, Robert E.	Grove City, Pa.
Vance, John G.	Grove City, Pa.
Wallace, E. R.	New Castle, Pa.
Wilson, C. B.	Woodland, Pa.
Zenn, P. H.	McKeesport, Pa.

Total 29; 20 Men, 9 Women.

SOPHOMORES

Abbott, Franz	Grove City, Pa.
Allen, Floyd	Keister, Pa.
Armstrong, Angus	Franklin, Pa.
Anderson, Clarence L.	Hubbard, Ohio
Allen, Emma	New Cumberland, W. Va.
Binlyn, Elizabeth	Greensburg, Pa.
Black, Ira A.	New Castle, Pa.
Black, Walter	Richmond, Ohio
Black, Roland	Grove City, Pa.
Black, Pauline	Monte Vista, Colorado
Bell, Ruth	Yatesboro, Pa.
Brenner, Roy A.	Jamestown, Pa.
Brown, Frederick	New Castle, Pa.
Bortz, C. E.	Transfer, Pa.
Boots, Sylvia	Grove City, Pa.
Cameron, James W.	New Castle, Pa.
Campbell, R. J.	Clarendon, Pa.
Clark, Sara	Grove City, Pa.
Clutton, Augustus T.	Slippery Rock, Pa.
Connell, John T.	Slippery Rock, Pa.
Campbell, L. Floyd	Petrolia, Pa.
Caven, Lulu	Beaver Falls, Pa.
Christie, Ida	Grove City, Pa.
Cooper, W. Russell	Brockwayville, Pa.
Crowe, Eva D.	Washington, Pa.
Davis, Donald P.	Atlantic, Pa.
Dean, Anna	Conneautville, Pa.
Dorr, John H.	Grove City, Pa.
Decker, Horace	West Sunbury, Pa.
DeFrance, J. A.	Sandy Lake, Pa.
Dickson, Frank E.	Valencia, Pa.
Fairgrieve, Russell B.	Grove City, Pa.
Glasgow, M. A.	Vandergrift, Pa.
Glenn, Burdette	West Sunbury, Pa.
Hill, Robert B.	Grove City, Pa.
Hawkins, Herbert H.	Jefferson, Pa.
Heckathorne, O. H.	Slippery Rock, Pa.
Herriott, Laura	Sharpsville, Pa.
Houck, Willis A.	Lovejoy, Pa.
Howe, Mary	Grove City, Pa.
Jack, Eunice	Vandergrift, Pa.
King, J. G.	Union City, Pa.

King, Claire B.	Grove City, Pa.
Locke, O. H.	Woodlawn, Pa.
Lord, L. A.	Irvona, Pa.
Lawther, Boyd M.	Vandergrift, Pa.
McCormick, Eva	Fredonia, Pa.
McClure, Margaret	Jeannette, Pa.
McKain, Vella	Grove City, Pa.
Marshall, Fred	Adamsville, Pa.
Miller, Ruth	Derry, Pa.
Morledge, Roy	Grove City, Pa.
Moon, Denton	Grove City, Pa.
Nichols, Carrie E.	Vandergrift, Pa.
Patton, J. W.	Vandergrift, Pa.
Payton, Eugene	Dunmore, Pa.
Phillips, Edward D.	Emlenton, Pa.
Phillips, Natalie	Punxsutawney, Pa.
Pollock, H. C.	Burgettstown, Pa.
Pyle, Myra	McDonald, Pa.
Redman, Ann	Glassport, Pa.
Rodgers, H. Russell	Grove City, Pa.
Robinson, Ernest L.	Albion, Pa.
Roth, Ernest E.	Pleasantville, Pa.
Ryan, Ruth	Du Bois, Pa.
Robinson, Ellis F.	Grove City, Pa.
Sabol, John G.	McKeesport, Pa.
Saul, Bertha	Greenville, Pa.
Smith, Darwin D.	Oswayo, Pa.
Sands, Florence	Pittsburgh, Pa.
Smith, Eva J.	Lanes Mills, Pa.
Shannon, Frances	Mercer, Pa.
Shaw, Ira D.	Salina, Pa.
Shoemaker, Frank L.	Ellwood City, Pa.
Spence, Edwin	Grove City, Pa.
Snyder, Birde	Dutch Hill, Pa.
Sowash, H. Leo	Slippery Rock, Pa.
Sturgeon, Helen	Grove City, Pa.
Sutman, Hudson T.	Monongahela, Pa.
Swagler, Helen	Scenery Hill, Pa.
Thomas, Gwladus	Niles, Ohio
Turner, Wallace W.	Grove City, Pa.
Veach, Vance	New Castle, Pa.
Veach, Samuel	New Castle, Pa.
Veirs, Willard L.	Grove City, Pa.
Wallace, Achsah	Mercer, Pa.

Watrous, J. Bert	Dunmore, Pa.
Weil, Carson D.	Braddock, Pa.
Wiley, Howard G.	Edinburg, Pa.
Weisz, Abraham B.	Grove City, Pa.
Wilson, H. Floyd	State College, Pa.

Total 92; 61 Men, 31 Women.

FRESHMEN

Allen, Ira G.	Clintonville, Pa.
Alter, S. N.	Freeport, Pa.
Barclay, Paul	Punxsutawney, Pa.
Bell, Ellen	North Washington, Pa.
Bell, Jean	North Washington, Pa.
Biles, J. H.	Grove City, Pa.
Beam, Lenore	Punxsutawney, Pa.
Benscoter, Anna M.	Brookville, Pa.
Bigler, Helen	Grove City, Pa.
Bigler, Victor L.	Grove City, Pa.
Bintrim, Albert J.	Harmony, Pa.
Black, Ruth	Grove City, Pa.
Blair, Hazel	Clintonville, Pa.
Blyholder, Isabel	Kelly Station, Pa.
Boren, Howard	Youngstown, Ohio
Bracken, Chas. B.	Grove City, Pa.
Bromley, Norman	Fredonia, Pa.
Bowser, John	Kittanning, Pa.
Boarts, W. S.	Greensburg, Pa.
Britton, C. B.	Falls Creek, Pa.
Brown, James	Portersville, Pa.
Buchanan, Mabel	Grove City, Pa.
Carey, Goldie	Waynesburg, Pa.
Chelius, Robert E.	Westville, Pa.
Carroll, Wayne E.	West Finley, Pa.
Conaway, William W.	Titusville, Pa.
Conaway, J. J.	Titusville, Pa.
Cotton, Geraldine,	Mercer, Pa.
Crawford, Helen	Mercer, Pa.
Crump, J. Dana	Shickshinny, Pa.
Davidson, Lawrence S.	Jamestown, Pa.
Davies, Thomas W. Jr.	Youngstown, Ohio
Davis, T. C.	Grove City, Pa.
Davis, Mary	Grove City, Pa.
Dodds, Wesley B.	Jamestown, Pa.
Deal, James M.	Grove City, Pa.

DeFrance, A. K.	Sandy Lake, Pa.
Edeburn, Paul	West Middlesex, Pa.
Eshbaugh, Gladys	Kushequa, Pa.
Edwards, Guy	Riceville, Pa.
Filer, Roy	Grove City, Pa.
Greenfield, Ramon	Springboro, Pa.
Fisher, Claire	Reynoldsville, Pa.
Gelbach, Nettie	Butler, Pa.
Grossman, Eugene S.	Slippery Rock, Pa.
Gibson, E. L.	North Washington, Pa.
Ginley, John	Dunmore, Pa.
Hamilton, Paul	Mercer, Pa.
Gould, Helen	Grove City, Pa.
Hannigan, Mary	Monessen, Pa.
Heckert, Carl W.	Bakerstown, Pa.
Heasley, Claud D.	Grove City, Pa.
Highhouse, Earl F.	Titusville, Pa.
Hosack, Ora	Grove City, Pa.
Hosick, Edna	Grove City, Pa.
Humphrey, Helen	Portersville, Pa.
Hunter, Howard A.	Evans City, Pa.
Jewett, Hallis I.	Bradford, Pa.
Jordan, Marian	Grove City, Pa.
Kelly, Helen	Grove City, Pa.
Kightlinger, Clifford	Townville, Pa.
Kuhn, Marjorie	Grove City, Pa.
Kerr, James W.	Nebraska, Pa.
Kilgore, Charles D.	Kennard, Pa.
Kirkpatrick, Paul	Kenmore, Ohio
Leslie, Edith	Arnold, Pa.
Love, Ruth	Grove City, Pa.
Lawson, Glenn	Saybrook, Pa.
Long, George E.	Emlenton, Pa.
Luther, Richard J.	Somerset, Pa.
McBride, Rowena	Grove City, Pa.
McCoy, Lois	Grove City, Pa.
McAninch, Gertrude	Lamartine, Pa.
McGarr, Alfred	Grove City, Pa.
McGranahan, Joseph L.	Jamestown, Pa.
McCullough, Mary Margaret	Orlando, Fla.
McGranahan, Fred	Kennard, Pa.

McKee, Eleanor	Baldwin, Pa.
McNees, H. W.	North Washington, Pa.
Marsh, Charles	Ten-Mile-Bottom, Pa.
Marshall, T. R.	Dayton, Pa.
Martin, Joseph	Greenville, Pa.
Means, Alta	Brookville, Pa.
Miro, Enrique	San Turce, Porto Rico
Mealy, Victor H.	Vienna, West Va.
Minor, Scott	Jefferson, Pa.
Moot, Mary	DuBois, Pa.
Murphy, Phyllis	Vandergrift, Pa.
Murphy, Roderick L.	Franklin, Pa.
Norris, J. L.	Warrendale, Pa.
Nutt, E. L.	Grove City, Pa.
Ormond, Roger	Grove City, Pa.
Parsons, Milton	Slippery Rock, Pa.
Phipps, Thomas	Clintonville, Pa.
Perry, P. J.	Branchton, Pa.
Quigley, Laura	Butler, Pa.
Reichard, James I.	Sandy Lake, Pa.
Reed, Ramona	DuBois, Pa.
Reed, Frances	Erie, Pa.
Raub, Glesson	Vandergrift, Pa.
Ruffing, John	Grove City, Pa.
Rumbaugh, Thomas	Sharpsville, Pa.
Smith, W. Ray	DuBois, Pa.
Stephenson, Mary	Volant, Pa.
Stull, Ida L.	Leechburg, Pa.
Seyfried, John E.	Branch Post-Office, Pa.
Shannon, Florence A.	Jackson Center, Pa.
Shelmadine, Stanley W.	Pleasantville, Pa.
Smith, Edwin A.	Falls Creek, Pa.
Smith, Hazel	DuBois, Pa.
Stewart, Annie	Coal Glen, Pa.
Stewart, Gretchen	Sharon, Pa.
Stuart, Ida Belle	Erie, Pa.
Thomas, Mary M.	Connellsville, Pa.
Thompson, Jean E.	North Washington, Pa.
Thompson, T. C.	West Sunbury, Pa.
Tippery, David B.	Foxburg, Pa.
Truman, Mary	Brookville, Pa.
Vaughn, W. J.	Grove City, Pa.
Vogt, Ralph L.	Bruin, Pa.

Weaver, Ivy	Johnstown, Pa.
Weil, Edward	Braddock, Pa.
Wells, E. Marion	Wellsville, New York
Wagner, Mabel	Princeton, N. J.
Weisgerber, Lily	Luthersburg, Pa.
Wick, J. Leroy	Chicora, Pa.
Wolf, Samuel	Wilkinsburg, Pa.
Young, Charlotte P.	Greenville, Pa.
Young, Mary	Eighty-Four, Pa.
Zufall, Merle E.	Summerville, Pa.
Zittle, Ruth	Jackson Center, Pa.

Total 135; 81 Men, 54 Women.

CONDITIONAL FRESHMEN

Bagnall, Paul	Stoneboro, Pa.
Berrisford, William	Stoneboro, Pa.
Brown, Joseph	Slippery Rock, Pa.
Boyd, Leroy B.	Sandy Lake, Pa.
Carruthers, Glenn	Grove City, Pa.
Christler, Olive B.	Murdocksville, Pa.
Daugherty, Corinne	Clintonville, Pa.
Dean, Howard	Mars, Pa.
Egbert, A. C.	Stoneboro, Pa.
Enterline, F. M.	Brockwayville, Pa.
Frew, James	New Castle, Pa.
Gaiser, J. L.	Chicora, Pa.
George, Grace	Grove City, Pa.
Graham, Robert	Emlenton, Pa.
Grossman, Mary	Slippery Rock, Pa.
Glunt, Homer	Apollo, Pa.
Haffey, Ella	Haffey, Pa.
Hays, E. E.	Luthersburg, Pa.
Hazlett, W. J.	Grove City, Pa.
Heile, R. D.	Transfer, Pa.
Henry, Fred	Apollo, Pa.
Heckman, Edward E.	Meadville, Pa.
Kelly, L. D.	Bruin, Pa.
LaCamera, Frank	Farrell, Pa.
Langer, A. J.	Carnegie, Pa.
McCamey, Marian	Parkers Landing, Pa.
McIlwain, J. C.	Pittsburgh, Pa.
McKinstry, S. R.	Vandergrift, Pa.
Phipps, C. C.	Clintonville, Pa.
Rich, Glen	Kellettville, Pa.

Reed, C. P.	Corsica, Pa.
Schrader, Maida	Allison Park, Pa.
Schaeffer, Emmett	Grove City, Pa.
Steingrabe, Melsena	Mercer, Pa.
Storey, J. M.	Kittanning, Pa.
Smith, Robert	Sandy Lake, Pa.
Smith, R. Andrew	Lanes Mills, Pa.
Spearman, Ruth	Grove City, Pa.
Walter, J. Roy	Apollo, Pa.
Walter, Dean C.	Export, Pa.
Webster, Goodwin B.	Harveys, Pa.
Weitzel, Paul	Portersville, Pa.
Wiley, Roy	Edinburg, Pa.

Total, 43; 34 men, 9 women.

PREPARATORY AND SPECIAL STUDENTS

Appleyard, Joseph	Beaverdale, Pa.
Archer, Howard M.	Grove City, Pa.
Aiman, Ralph H.	Apollo, Pa.
Acheson, Helen	Pittsburgh, Pa.
Anderson, William R.	Monongahela, Pa.
Akely, Archie P.	St. Clairsville, N. Y.
Austin, T. Clair	Grove City, Pa.
Angle, D. Helen	Hagerstown, Md.
Allen, Penelope	Grove City, Pa.
Baird, Frank P.	Roundup, Mont.
Baker, Harriet	Raymilton, Pa.
Baird, W. Leonard	Clintonville, Pa.
Barnes, J. H.	Jackson Center, Pa.
Bathurst, Floyd	Clarendon, Pa.
Baldwin, L. C.	McDonald, Pa.
Bishop, Mary	Andrews Settlement, Pa.
Bamford, G. K.	Spanish Mills, Ontario
Bollivar, T. Earl	Zelienople, Pa.
Bogue, Marie	Erie, Pa.
Borland, C. H.	Clarks Mills, Pa.
Bohlender, J. H.	Grove City, Pa.
Britton, Martha	Guys Mills, Pa.
Bovard, C. F.	Grove City, Pa.
Behler, William	Parsons, Pa.
Bell, Margaret	New Brighton, Pa.
Berlin, Carroll E.	Kelleville, Pa.
Black, Melvin J.	Shippenville, Pa.
Burns, Bessie A.	Mercer, Pa.

Bachop, Emma	Sheakeleyville, Pa.
Ball, James W.	Beaver Falls, Pa.
Borland, Harry G.	Harrisville, Pa.
Breckenridge, Grace	Grove City, Pa.
Byers, Justin S.	Homer City, Pa.
Boarts, W. S.	Greensburg, Pa.
Bamford, Ray	Monongahela, Pa.
Calderwood, Helen	Grove City, Pa.
Caldwell, Rosalind J.	Punxsutawney, Pa.
Capers, T. Stacey	Princeton, N. J.
Carpenter, Edna	Benwood, W. Va.
Cheeseman, Frank P	Slippery Rock, Pa.
Cox, Jessie C.	Altoona, Pa.
Coulter, Eugenia	Grove City, Pa.
Crummy, H. Russell	Valencia, Pa.
Calvert, Harry M.	Monongahela, Pa.
Carnahan, Ralph O.	Sandy Lake, Pa.
Chamberlain, Helen	Grove City, Pa.
Chamberlain, Robert	Grove City, Pa.
Cook, Marie	Leechburg, Pa.
Critchlow, Wayne F.	Prospect, Pa.
Clark, H. J.	West Middlesex, Pa.
Connolly, Hugh	Pittsburgh, Pa.
Davidson, Eben D.	South Heights, Pa.
Dale, F. F.	Grove City, Pa.
Dible, Eletha	Grove City, Pa.
Deal, Marian	Grove City, Pa.
Dickey, Margaret E.	Oil City, Pa.
Dickson, Elda	New Martinsville, W. Va.
Dillinger, James H.	Mercer, Pa.
Daugherty, James R.	Jeannette, Pa.
Downing, Millard	Franklin, Pa.
Dougherty, R. F.	Brockwayville, Pa.
Earhart, Wyeth	Saltsburg, Pa.
Edgar, Robert H.	Wilmerding, Pa.
Eavey, C. B.	Morrill, Kansas.
Everhart, Florence	Kittanning, Pa.
Ellison, George	Townville, Pa.
Evans, Stanley	Moosic, Pa.
Ewig, Harry T.	Belle Vernon, Pa.
Fithian, Leila	Grove City, Pa.
Foster, Dora	Franklin, Pa.
Fowler, Blanche	Sandy Lake, Pa.
Forrester, Rolland W.	Grove City, Pa.

Frew, James	New Castle, Pa.
Frye, Lewis M.	California, Pa.
Gardner, Mary	Grove City, Pa.
Geist, Seiler	Latrobe, Pa.
Gensbigler, Walter A.	Parnassus, Pa.
Ghrist, M. Maud	Coraopolis, Pa.
Gregg, W. R.	Grove City, Pa.
Grey, Alix Marie	Oil City, Pa.
Glover, Allen R.	Spartansburg, Pa.
Good, Huston G.	Linden, Pa.
Gray, D. Vincent	Prosperity, Pa.
Griggs, C. W.	Conneautville, Pa.
Groleau, Eudore G.	Uniontown, Pa.
Galbreath, Mabel	Cabot, Pa.
Gluck, Morris	Farrell, Pa.
Goetz, Paul	East Pittsburgh, Pa.
Harlan, Mary E.	Kennerdell, Pa.
Hamer, Edward	Fayette City, Pa.
Hamilton, Lester	Argentine, Pa.
Harbison, Beulah L.	Beaver Falls, Pa.
Harris, William	Munhall, Pa.
Hastings, Angelica	St. Marys, Pa.
Hassinger, Grace	Mifflinburg, Pa.
Heiner, Clarice	California, Pa.
Henry, Allan	Grove City, Pa.
Hazelton, Edith	Warren, Pa.
Henderson, Samuel C.	Shippingport, Pa.
Heckert, Joseph	Bakerstown, Pa.
Herlinger, Harry V.	Grove City, Pa.
Hickman, Elgie L.	Beaver Falls, Pa.
Hoesch, William A.	Greenville, Pa.
Hilliard, J. L.	West Sunbury, Pa.
Hoban, C. F.	Dunmore, Pa.
Hughes, W. L.	Emlenton, Pa.
Horne, Olive	Vandergrift, Pa.
Hoyt, Creig S.	Arkport, N. Y.
Hamilton, Alex	Export, Pa.
Hamilton, Dan	Greensburg, Pa.
Henderson, Alex, Jr.	Parnassus, Pa.
Hill, Robert B.	Grove City, Pa.
Hoon, Byron D.	Ford City, Pa.
Hoyt, Waneta	Sabula, Pa.
Humphrey, Paul	DuBois, Pa.

Hillard, Vevia	West Sunbury, Pa.
Hutcheson, Maud	Mercer, Pa.
Hawkins, Wilson A.	Sharpsburg, Pa.
Hazlett, William J.	Grove City, Pa.
Harper, John	Grove City, Pa.
Hart, Josephine	West Sunbury, Pa.
Hunt, A. H.	Stewartsville, Ohio
Irvin, Glenn W.	McKeesport, Pa.
Johnson, Eugene L.	Grove City, Pa.
Jones, T. E.	Ulysses, Pa.
Kroh, James	Rural Valley, Pa.
Keam, George S.	Oil City, Pa.
Kohlmeyer, Paul	Grove City, Pa.
Knox, G. G.	New Castle, Pa.
Kingan, Olive	Valencia, Pa.
Landis, Elizabeth	Delmont, Pa.
Langton, Lois	Pittsburgh, Pa.
Lambing, J. A.	Marion Center, Pa.
Larimer, J. A.	Sigel, Pa.
Law, Samuel	Beaverdale, Pa.
Lingenfelser, Fred	Baden, Pa.
Limber, Ross	Jackson Center, Pa.
Locke, David C.	Monaca, Pa.
Luse, Edith	Sharon, Pa.
Long, Susie	Emlenton, Pa.
Larsen, R. E.	Franklin, Pa.
McGinley, Marcella	Monessen, Pa.
McIntyre, DeWitt	Dayton, Pa.
McKay, Agnes	Bellevue, Pa.
McChesney, J. Albert	Grove City, Pa.
McCormick, Clifford S.	Burgettstown, Pa.
McCullough, W. H.	Wampum, Pa.
McKinley, Wade H.	Polk, Pa.
McCune, George	Grove City, Pa.
McCullough, Mark M.	Corsica, Pa.
McCune, Mary Gertrude	Grove City, Pa.
McNeil, Paul	Pittsburgh, Pa.
Magee, J. F.	Grove City, Pa.
Mackall, Mrs. Sylvia	Beaver, Pa.
Martsof, Arthur	New Brighton, Pa.
Meade, Mary	Curwensville, Pa.
Melander, Maude	Glenn Hazel, Pa.
Metzgar, Ethel	Shippensburg, Pa.

Miksch, Marguerite	Beaver Falls, Pa.
Monroe, Lois	Grove City, Pa.
Mills, Ethel	Oswayo, Pa.
Means, Herbert G.	Indiana, Pa.
Moorhead, James E.	New Castle, Pa.
Martin, Niles C.	Jamestown, Pa.
Minor, Charles	Jefferson, Pa.
Moon, George	Grove City, Pa.
Moon, Eva	Grove City, Pa.
Montgomery, Nevin,	Shade Gap, Pa.
Montgomery, Paul	Grove City, Pa.
Morledge, Weir	Grove City, Pa.
Murray, Henry	Pittsburgh, Pa.
Miller, Edward	Kitzmilller, Md.
Moats, John	Jamestown, Pa.
Matson, May	Sigel, Pa.
Morris, James L.	Warrendale, Pa.
Myers, Adelaide	Grove City, Pa.
Nicholson, D. K.	Braddock, Pa.
O'Leary, Katherine	Oil City, Pa.
O'Malley, Thomas G.	Avoca, Pa.
Ormond, Margaret	Grove City, Pa.
Orwig, Calvin	Phillipsburg, Pa.
Owens, Basil T.	Apollo, Pa.
Patton, Nellie	Sandy Lake, Pa.
Phillippe, Jules	Ford City, Pa.
Patton, Harry T.	Kittanning, Pa.
Penman, Robert	Grove City, Pa.
Perry, Paul J.	Branchton, Pa.
Pringle, Paul V.	Grove City, Pa.
Porter, Eva	Moravia, Pa.
Platt, Wesley L.	DuBois, Pa.
Painter, Mildred	Butler, Pa.
Ramsey, Arthur	Grove City, Pa.
Reed, Martha	Warren, Ohio
Reicherter, Emily	Brookville, Pa.
Ritchey, Harold S.	Grove City, Pa.
Renfrew, Edna	Butler, Pa.
Rodkey, Edith	Ridgway, Pa.
Runyan, Bessie	Ellwood City, Pa.
Ritchey, Alfred C.	Grove City, Pa.
Robins, Glenna	Jackson Center, Pa.
Rutledge, Harry E.	Livermore, Pa.

Robbins, Raymond	Grove City, Pa.
Saul, Stella Anna	Greensburg, Pa.
Schlicker, Kate	Pottsville, Pa.
Schurgot, J. A.	Pittsburgh, Pa.
Selander, John	Warren, Pa.
Slater, Georgia	Grove City, Pa.
Smith, Herman F.	Mercer, Pa.
Shurman, Martha	Punxsutawney, Pa.
Simpson, L. V.	Coleman, Pa.
Slater, Thomas	Grove City, Pa.
Smith, Henry	Sykesville, Pa.
Stoops, J. Albert	West Sunbury, Pa.
Steele, Edith M.	Apollo, Pa.
Sweeney, Mrs. J. W.	St. Marys, Pa.
St. John, Neal W.	Centerville, Pa.
Shannon, Marian E.	New Castle, Pa.
Sharpe, Merle	Sigel, Pa.
Sparber, Lawrence	Salina, Pa.
Stewart, William C.	St. Petersburg, Pa.
Stephenson, J. Franklin	Grove City, Pa.
Sopher, F. R.	Clintonville, Pa.
Sharpnack, Roy S.	Rices Landing, Pa.
Sharpnack, J. Anson	Rices Landing, Pa.
Shillito, Mildred	Grove City, Pa.
Thompson, D. Raymond	New Wilmington, Pa.
Toson, Kitamura	Grove City, Pa.
Townsend, S. C.	Homer City, Pa.
Traugh, G. H.	Donora, Pa.
Trevaskis, J. D.	Turtle Creek, Pa.
Trezona, Guy	Grove City, Pa.
Teare, Paul	Grove City, Pa.
Tebay, Helen	Butler, Pa.
Uber, Carl	Grove City, Pa.
Vance, Robert C.	Grove City, Pa.
Vandevort, Louis	Beaver Falls, Pa.
Vaughn, Marie	Clairton, Pa.
Vandergrift, William	Wellsboro, Pa.
Wallace, Mary M.	Mercer, Pa.
Washabaugh, Rebecca	Grove City, Pa.
Watson, Howard	Brookville, Pa.
Wenzel, Hilda	Homestead, Pa.
Westlake, E. F.	Washington, Pa.
Williams, Frank E.	Cochrannton, Pa.

Wilson, Walter S.	Kellettville, Pa.
Winger, Viola	Grove City, Pa.
Wolfe, Edna Hughes	Leetsdale, Pa.
Walker, Arthur	Grove City, Pa.
Wallace, Elder R.	New Castle, Pa.
Welsh, Ralph W.	McKeesport, Pa.
White, Cecil	Grove City, Pa.
Wilson, Nell	State College, Pa.
Wilson, L. M.	Wampum, Pa.
Whitehill, Lorin	Hookstown, Pa.
Whitehill, Eulalie	Hookstown, Pa.
Young, Paul A.	Grove City, Pa.
Young, Charlotte E.	Harrisville, Pa.
Young, Charles R.	Eighty-Four, Pa.
Young, Mary	Eighty-Four, Pa.
Yard, J. A.	Barkeyville, Pa.
Zwayer, Wayland	Patton, Pa.

Total 309; 208 Men, 101 Women.

PEDAGOGY STUDENTS, SUMMER TERM, 1913

Abplanalp, Bertha	Ridgway, Pa.
Allen, Mrs. Bertha	West Nanticoke, Pa.
Anderson, Grace L.	New Bedford, Pa.
Barger, Lottie P.	St. Petersburg, Pa.
Bell, Minnie	Hilliards, Pa.
Bengston, Olga	Kane, Pa.
Bental, Elizabeth	Freedom, Pa.
Black, Naomi A.	Pittsburgh, Pa.
Bloom, Miriam	Parnassus, Pa.
Boggs, Anna Zora	New Brighton, Pa.
Bothwell, Lyda M.	Beaver Falls, Pa.
Brady, Ella	Pittston, Pa.
Braugher, Maude	Rochester Mills, Pa.
Breese, Hazel	Conneautville, Pa.
Britton, Margaret	Brockwayville, Pa.
Brown, Nora V.	Plymouth, Pa.
Buehler, Cecelia	Etna, Pa.
Buller, Alice	Huntingdon, Pa.
Butler, Estelle	Dayton, Pa.
Byers, Olive	Vanderbilt, Pa.
Campbell, Margaret	Ford City, Pa.
Campbell, Mabel	Oil City, Pa.

Cannon, Ruth	Stoneboro, Pa.
Caffrey, Mary	Scranton, Pa.
Chapman, Trudell	Cherry Tree, Pa.
Charlesworth, Reatta	Donora, Pa.
Colbeck, Ida M.	McKees Rocks, Pa.
Corey, Clara	Punxsutawney, Pa.
Cowen, Mary R.	Dayton, Pa.
Crawford, Mary M.	Beaver Falls, Pa.
Crockett, Maye E.	Forty-Fort, Pa.
Cross, Pearl	Boyers, Pa.
Dane, Esther	Mt. Jewett, Pa.
Davenport, Melda	New Castle, Pa.
Davis, Anna E.	Grove City, Pa.
Davis, Grace	Altoona, Pa.
Davis, Mabel	Johnstown, Pa.
DeCarmier, Eva	Johnsonburg, Pa.
Dickey, Minnie E.	Berlin, Pa.
Dickinson, Christine A.	Ridgway, Pa.
Dixon, Helen	Avoca, Pa.
Doherty, Mary G.	Pittsburgh, Pa.
Doty, Elda	Rochester Mills, Pa.
Driehorst, Laura R.	Washington, Pa.
Dwyer, Statia M.	Plymouth, Pa.
Everett, R. A.	Sandy Lake, Pa.
Eckman, Mary	Fayette City, Pa.
Egbert, Mildred	Tarentum, Pa.
Ehrenfeld, Valeria J.	Leechburg, Pa.
Flaherty, Carolyn	Bradford, Pa.
Fowler, Blanche	Sandy Lake, Pa.
Frank, Clara I.	Monaca, Pa.
Frank, K. Lydia	Monaca, Pa.
Freeman, Theo.	Smethport, Pa.
Fries, Mary A.	Claysburg, Pa.
Frye, Media B.	New Alexander, Pa.
Gamble, Nancy	Beaver Falls, Pa.
Garner, Claire	St. Marys, Pa.
George, Anna	New Bethlehem, Pa.
Glassburn, Maud	Scottsdale, Pa.
Glenn, Janet	West Sunbury, Pa.
Glenn, Helen	West Sunbury, Pa.
Graham, Florence	Butler, Pa.
Griffiths, Janet	Plymouth, Pa.
Griffiths, Hilda M.	Washington, Pa.
Griffith, Mona D.	Marion Center, Pa.

Graham, Martha	Kittanning, Pa.
Grover, Ila G.	Coudersport, Pa.
Hamilton, Beatrice	Beaver Falls, Pa.
Hanford, Ann	Stoneboro, Pa.
Hanniwalt, Audine	Nickleville, Pa.
Harl, Sara	Punxsutawney, Pa.
Harl, Vera	Punxsutawney, Pa.
Hart, Charlotte	Pittston, Pa.
Hart, Lucy	Export, Pa.
Heffner, Violet G.	Reynoldsville, Pa.
Hileman, Iva E.	Elderton, Pa.
Henderson, Robert D.	Clarrington, Pa.
Henry, Elzada	Hamilton, Pa.
Henry, Grace	Meadville, Pa.
Hoffman, Irene	McKeesport, Pa.
Hood, Mary M.	Hookstown, Pa.
Hood, John D.	New Florence, Pa.
Hood, Ralph S.	Hookstown, Pa.
Horne, Hulda E.	Pleasant Valley, Pa.
Howell, Wilma	Washington, Pa.
Houston, Edith P.	Grove City, Pa.
Huffman, Edna	Latrobe, Pa.
Hug, Rosa	Indiana, Pa.
Ingram, Florence	McKeesport, Pa.
Jackson, Ada J.	Freedom, Pa.
James, Elizabeth	Plymouth, Pa.
James, Martha	Connellsville, Pa.
Jones, Agnes	Johnsonburg, Pa.
Jones, Sara	Polk, Pa.
Keister, Velma	Export, Pa.
Kelley, Agnes E.	Swissvale, Pa.
Kerr, Beulah	McKeesport, Pa.
Kerr, Mildred	McKeesport, Pa.
Ketler, Frank C.	Grove City, Pa.
Kimling, Anna C.	McKeesport, Pa.
King, Winifred	Avoca, Pa.
Klingensmith, Bess	Leechburg, Pa.
Klinger, Olive	Greenville, Pa.
Krimer, Arthur	Saltsburg, Pa.
Lackey, Elizabeth	Glenwillard, Pa.
Laird, Katherine	Williamsport, Pa.
Lambie, Marion	Etna, Pa.
Larimer, John A.	Sigel, Pa.
Law, Aura	Punxsutawney, Pa.

Lemmon, Alice C.	Lumber City, Pa.
Lewis, Edna J.	Punxsutawney, Pa.
Logan, Grace	Johnstown, Pa.
Long, Blanche	Pueblo, Pa.
Lowenthal, Henrietta	Franklin, Pa.
Lyon, Katharine G.	Corry, Pa.
McAllister, Hazel M.	Colegrove, Pa.
McAllister, D. T.	Washington, Pa.
McCarthy, Mary M.	Pittsburgh, Pa.
McCaskey, Bertha	Brookville, Pa.
McCleary, Mildred	Allenport, Pa.
McCullough, Ruth E.	Chicora, Pa.
McCoy, Ada	Washington, Pa.
McCoy, Anna	Washington, Pa.
McCutcheon, Anna	Avalon, Pa.
McCutcheon, Emma	Oil City, Pa.
McDaniel, Asenath	Raymilton, Pa.
McDonald, Rose	Eldred, Pa.
McCready, Mary E.	Ridgway, Pa.
McGeary, Iva Pearl	Greenville, Pa.
McGlynn, Cecelia	Avoca, Pa.
McKeever, Margaret	Darlington, Pa.
McLaughlin, Irene	Westville, Pa.
McLinden, Agnes	Hazard, Pa.
McLinden, Rose	Hazard, Pa.
McMurray, Eunice	Washington, Pa.
McRoberts, Opal	New Kensington, Pa.
McRoberts, May	New Kensington, Pa.
Mackall, Mrs. Sylvia	Beaver, Pa.
Mahon, Marie C.	Plymouth, Pa.
Marsh, Charles E.	Ten-Mile-Bottom, Pa.
Marks, Etta	Vandergrift Heights, Pa.
Martin, Joseph	Webster, Pa.
Mawhinney, Bessie	Freedom, Pa.
Melvin, Sara	Scranton, Pa.
Michael, Anna	Fairview, Pa.
Milholland, Pearl	McKeesport, Pa.
Miller, Mildred	Pittsburgh, Pa.
Mohney, Edna	Brookville, Pa.
Moore, Anna Myrtle	McDonald, Pa.
Mowry, Della	Greenville, Pa.
Mulligan, Sylvania	Franklin, Pa.
O'Neill, Lee M.	Darlington, Pa.
Painter, Ethel	Dawson, Pa.

Parker, Gertrude	Pottsville, Pa.
Peters, Bertha J.	North Girard, Pa.
Phalen, Mary E.	St. Marys, Pa.
Postlethwait, Ella	Punxsutawney, Pa.
Potter, Mary L.	Beaver Falls, Pa.
Pike, Ellen	Bradford, Pa.
Pringle, Belva	Ellwood City, Pa.
Pringle, Margaret	Ellwood City, Pa.
Ramsey, Christine C.	St. Marys, Pa.
Ramsey, Edna	Grove City, Pa.
Reager, Gertrude	Millwood, Pa.
Rearic, Nellie M.	Yatesboro, Pa.
Redman, Jean F.	Glassport, Pa.
Reese, Lina	Tyrone, Pa.
Reetz, Mabel	Ohl, Pa.
Renninger, Lottie	Franklin, Pa.
Rhoades, Edwinia	Franklin, Pa.
Rhodes, Anna	New Castle, Pa.
Rhodes, Freda	Connellsville, Pa.
Rhodes, Frances	Connellsville, Pa.
Rice, E. Frances	Volant, Pa.
Robertson, Cora	Reynoldsville, Pa.
Robinson, Harriet	Grove City, Pa.
Rockwell, Carrie E.	North Girard, Pa.
Rodgers, Charles C.	Franklin, Pa.
Rorabaugh, Mabel	Mahaffey, Pa.
Rosencrans, Elsie	Elbon, Pa.
Ross, Bessie	McKeesport, Pa.
Ruland, Myrtle E.	Columbus, Pa.
Rupert, Katherine	McKeesport, Pa.
Sayers, Emily	Juniata, Pa.
Schmidt, Lena	McKeesport, Pa.
Scroton, Kittie B.	Bradford, Pa.
Senior, Mabel M.	Johnsonburg, Pa.
Shober, Lucy	Garrett, Pa.
Shober, Melba	Garrett, Pa.
Shockey, Amy	Apollo, Pa.
Signet, Martha H.	McKeesport, Pa.
Simpson, Mildred	Beaver, Pa.
Simmons, Eva	Bear Lake, Pa.
Smallenberger, Gertrude	Meadville, Pa.
Smith, Dillie	Emlenton, Pa.
Smith, Rose Anna	Falls Creek, Pa.
Snyder, Melva	Apollo, Pa.

Starr, R. W.	DuBois, Pa.
States, Tina	Rochester Mills, Pa.
Stewart, Myrtle M.	Apollo, Pa.
Strock, Rena B.	St. Marys, Pa.
Sutter, Wynona B.	Punxsutawney, Pa.
Swift, Gertrude C.	Ridgway, Pa.
Thomas, Anna	Oil City, Pa.
Thomas, Mary M.	Connellsville, Pa.
Thomas, Nellie B.	McKees Rocks, Pa.
Tillack, Eleanor	Johnsonburg, Pa.
Tomb, Fanny B.	Armaugh, Pa.
Trainer, May	Connellsville, Pa.
Truby, Bertha	Apollo, Pa.
Truby, Elizabeth S.	Apollo, Pa.
Vance, Nellie	Cross Creek, Pa.
Ward, Anna	Avoca, Pa.
Watrous, Frances A.	Dunmore, Pa.
Weaver, Olive B.	Johnstown, Pa.
Weinel, Bertha M.	Brackenridge, Pa.
Wike, Hazel	Mercer, Pa.
Willard, George E.	Saltsburg, Pa.
Williams, Alice	Washington, Pa.
Williams, Mary	Ridgway, Pa.
Williams, Violet G.	Altoona, Pa.
Wilson, Joseph L.	Brookville, Pa.
Wolfe, Goldie	Beaver Falls, Pa.
Zeigler, Estella	Renfrew, Pa.

Total 225; 14 Men, 211 Women.

PEDAGOGY STUDENTS, SUMMER TERM, 1914

Allen, Bertha	West Nanticoke, Pa.
Allott, Winifred	Kittanning, Pa.
Anderson, Nevada	Oil City, Pa.
Anthony, Ruth	Punxsutawney, Pa.
Apple, Florence	Smethport, Pa.
Bailey, Audrey	Union City, Pa.
Baird, Margaret	McKeesport, Pa.
Baker, Ralph	Sandy Lake, Pa.
Banks, Mrs. Rose	Kittanning, Pa.
Barger, Lottie	St. Petersburg, Pa.
Barnes, Doyle	Brookville, Pa.
Barnes, John	Jackson Center, Pa.
Bartoo, Nancy	Rochester, Pa.
Bedell, Merle	McKeesport, Pa.

Bennett, Ethel	Atlantic, Pa.
Bengston, Olga	Kane, Pa.
Beynon, Mary	Scranton, Pa.
Blackley, Elizabeth	Fair Haven, Pa.
Blair, H. L.	Clarendon, Pa.
Bluett, Jennie	Pittston, Pa.
Blose, Matilda	Hamilton, Pa.
Blue, Mary	Freedom, Pa.
Blyholder, Isabel	Kelly Station, Pa.
Boarts, Alma	Kittanning, Pa.
Borland, Laura	Export, Pa.
Bothwell, Gertrude	Beaver Falls, Pa.
Bowers, Anna	Martinsburg, Pa.
Bowers, Marie	Big Run, Pa.
Brady, Ella	Pittston, Pa.
Braugher, J. Maude	Rochester Mills, Pa.
Brant, Erla	Berlin, Pa.
Brown, Margaret	Greensburg, Pa.
Buehler, Cecelia	Etna, Pa.
Burry, Cora	New Brighton, Pa.
Buton, Hazel	Ambridge, Pa.
Byers, Olive	Vanderbilt, Pa.
Cable, Carrie	Rochester, Pa.
Caffrey, Mary	Scranton, Pa.
Callahan, Ethel	Kennard, Pa.
Campbell, Jennie	New Sheffield, Pa.
Campbell, Rebekah	Ford City, Pa.
Carroll, Ella	Avoca, Pa.
Charleton, Elizabeth	Washington, Pa.
Chesley, Hazel	Washington, Pa.
Chilton, Olive	Carnegie, Pa.
Clark, Clara	Darlington, Pa.
Cole, Ina Gae	Beaver Falls, Pa.
Collins, Marie	Pittston, Pa.
Comer, Frances	Monogahela, Pa.
Cook, Anice	McKeesport, Pa.
Cort, Emma	Latrobe, Pa.
Cosgrove, Bea	Duryea, Pa.
Coulter, Eugenia	Grove City, Pa.
Cox, Edna	Edinburg, Pa.
Craig, Florence	Kersey, Pa.
Cramer, Mayme	Apollo, Pa.
Crocker, Gladys	Ridgway, Pa.
Crockett, Mae	Forty-Fort, Pa.

Crowe, Clara	Johnsonburg, Pa.
Cushing, Bess	Claysville, Pa.
Davis, Ann	Scranton, Pa.
Davis, Mrs. Mildred	Atlantic, Pa.
Davis, Mabel	Johnstown, Pa.
Day, Mary	Dunns Station, Pa.
Dean, Orman L.	Grove City, Pa.
Denny, Annabel	Rea, Pa.
Dibler, Belle	Turtle Creek, Pa.
Dickie, Minnie	Berlin, Pa.
Divany, Nellie	Johnsonburg, Pa.
Dixon, Helen	Avoca, Pa.
Doty, Elda	Rochester Mills, Pa.
Downing, Cora	Dayton, N. Y.
Downing, Sylvia	Dayton, N. Y.
Dreher, Clara	West Hazelton, Pa.
Drexler, Therese	Washington, Pa.
Duffy, Frank	Portland Mills, Pa.
Duffy, Marie	Bradford, Pa.
Duffield, Laura	Rochester, Pa.
Duprey, Lena	Youngsville, Pa.
Duprey, Lillian	Youngsville, Pa.
Egbert, Mildred	Tarentum, Pa.
Edeburn, Wilma	West Middlesex, Pa.
Ehrenfeld, Valeria	Leechburg, Pa.
Espy, Mary	West Middlesex, Pa.
Evans, Ruth	Greensburg, Pa.
Fike, Bertha	Uniontown, Pa.
Fike, Plura	Uniontown, Pa.
Finnan, Mary	Pittston, Pa.
Ford, Maud	Pittston, Pa.
Forsythe, Jean M.	New Galilee, Pa.
Fizzell, Mary J.	Bradford, Pa.
Freeman, Maude	Cambridge Springs, Pa.
Gallagher, Lois	Zelienople, Pa.
Gamble, Nancy	Beaver Falls, Pa.
Gardner, Mary	Grove City, Pa.
Garwood, Iva	Linesville, Pa.
Gault, Minerva	Donora, Pa.
Gebhard, Katherine	Rochester, Pa.
Gemmill, Agnes	York, Pa.
Gibson, Jennie	New Castle, Pa.
Gilmore, May	Connellsville, Pa.
Girvan, Nellie	Beaver Falls, Pa.

Glasburn, Maud	Stockdale, Pa.
Glenn, Helen	West Sunbury, Pa.
Gorman, Ethel	Johnsonburg, Pa.
Graham, Florence	Butler, Pa.
Grimes, Alice	Claysville, Pa.
Hall, Anna	Keister, Pa.
Harl, Vera	Punxsutawney, Pa.
Hart, Charlotte	Pittston, Pa.
Hart, Lucy	Export, Pa.
Harvard, Esther	Scranton, Pa.
Heckathorne, Grace	Hookstown, Pa.
Heiner, Clarice	California, Pa.
Keller, Elizabeth	Rochester, Pa.
Herron, Anna	Carnegie, Pa.
Hervey, Nellie	Rochester, Pa.
Hetrick, Emma	Summerville, Pa.
Hewlett, Augusta	Grove City, Pa.
Hibbard, Helen	Doylestown, Pa.
Hickman, Elgie	Beaver Falls, Pa.
Hill, Elizabeth	Metal, Pa.
Hindmarsh, Isabel	Fayette City, Pa.
Hood, Ralph	Hookstown, Pa.
Hollis, Sylvia	McKeesport, Pa.
Hood, J. D.	New Florence, Pa.
Hontz, A. W.	Sweet Valley, Pa.
Hug, Rosa	Indiana, Pa.
Hughes, Phoebe	Tioga, Pa.
Irvin, Sara	Rochester, Pa.
Irwin, Mabel	Grove City, Pa.
Jack, Gertrude	North Washington, Pa.
Jacobs, Rebekah	Mifflintown, Pa.
James, Elizabeth	Plymouth, Pa.
Jenkins, Edith	Coudersport, Pa.
Johns, Martha	Pittsburgh, Pa.
Kerney, Mary	Archbald, Pa.
Keister, Velma	Export, Pa.
Kerr, Edna	Kittanning, Pa.
Kilbourn, Etta	Sunderlinville, Pa.
King, Winifred	Avoca, Pa.
Kinsey, C. R.	Armagh, Pa.
Kirkland, Ella	Washington, Pa.
Kuschel, Minnie	Pittston, Pa.
Laffey, Anna	Connellsville, Pa.
Laffey, Loretta	Connellsville, Pa.

Lake, Gertrude	Johnstown, Pa.
Lambie, Marian	Etna, Pa.
Latshaw, Adelaide	New Brighton, Pa.
Lazarus, Margaret H.	Rochester, Pa.
Leiper, Irene	Beaver Falls, Pa.
Lemmon, Elizabeth	New Alexandria, Pa.
Lepley, Eleanor	Myersdale, Pa.
Lewis, Annabel	Weedville, Pa.
Lewis, Edna	Punxsutawney, Pa.
Linnenbrink, Mary	Rochester, Pa.
Llewellyn, Margaret	McKeesport, Pa.
Logan, Grace	Johnstown, Pa.
Logan, S. O.	West Monterey, Pa.
Lord, Frances	Conneautville, Pa.
Lotz, Ella	Johnstown, Pa.
Loss, May	Sykesville, Pa.
Lowman, Lou	Saltsburg, Pa.
McCague, Anna	Monongahela, Pa.
McCamey, Della	Fairview, Pa.
McClure, Margaret D.	Washington, Pa.
McCready, Adeline	Ridgway, Pa.
McCready, Mary E.	Ridgway, Pa.
McCutcheon, Anna	Avalon, Pa.
McDonough, Ella	Pittston, Pa.
McGlynn, Cecelia	Avoca, Pa.
McCallip, Pearl M.	Leechburg, Pa.
McKay, Henrietta	Westville, Pa.
McKeever, Margaret	Darlington, Pa.
McKechnie, Susan	Luzerne, Pa.
McLinden, Agnes	Monongahela, Pa.
McLinden, Rose	Monongahela, Pa.
McClosky, Emily	Ridgway, Pa.
McMannis, Martha	Connellsville, Pa.
Mackall, Mrs. Sylvia	Beaver, Pa.
Malone, Florence	Washington, Pa.
Mangle, John	Shamokin, Pa.
Marks, Etta	Vandergrift, Pa.
Martsoff, Elsie	New Brighton, Pa.
Mayer, Rhoda	Mifflintown, Pa.
Mawhinney, Bess	Freedom, Pa.
Meany, Sara	Monongahela, Pa.
Melander, Maud	Glenhazel, Pa.
Meneely, Lily	Avella, Pa.
Mercer, Mary	Pittsburgh, Pa.

Miller, Mildred	New Brighton, Pa.
Moore, Anna Myrtle	McDonald, Pa.
Moore, Florence	Westville, Pa.
Moot, Minnie	Marchand, Pa.
Moran, Mrs. May	Bradford, Pa.
Morgan, Mattie	Wesleyville, Pa.
Morley, Susie	Gold, Pa.
Moriarty, Nellie	Washington, Pa.
Morris, Flossie	Butler, Pa.
Moses, Cora	McKeesport, Pa.
Mullen, Agnes	Latrobe, Pa.
Mulligan, Sylvania	Franklin, Pa.
Murphy, Mary	Archbald, Pa.
Myers, Lucretia	Roaring Springs, Pa.
Myers, Mabel	Doylestown, Pa.
O'Donavon, Agnes	Connellsville, Pa.
O'Neill, Gertrude	West Pittston, Pa.
O'Neill, Lee	Darlington, Pa.
O'Neill, Margaret	Union City, Pa.
Olsen, Marie	Knox, Pa.
Painter, Ethel	Dawson, Pa.
Parks, Melva	Leechburg, Pa.
Patterson, Merle	Beaver Falls, Pa.
Peters, Pauline	Beaver, Pa.
Phillippe, Maude	Sykesville, Pa.
Phillips, Margaret	Scranton, Pa.
Philpot, Eletha	Grove City, Pa.
Pieper, Nelle	Charleroi, Pa.
Pollock, Inez	Canonsburg, Pa.
Powell, Bertha	Conway, Pa.
Propst, Esther	Archbald, Pa.
Pringle, Belva	Ellwood City, Pa.
Pringle, Margaret	Ellwood City, Pa.
Ralston, Lulu	Rochester, Pa.
Rathfon, Mary	Bradford, Pa.
Redman, Jean	Glassport, Pa.
Reed, Julia	Hookstown, Pa.
Reese, Emma	Port Matilda, Pa.
Reese, Lina	Tyrone, Pa.
Rila, Frances	Franklin, Pa.
Roberts, Gertrude	Nanty Glo, Pa.
Robertson, Cora	Reynoldsville, Pa.
Robinson, Lulu	Moravia, Pa.
Rockefeller, Abbie	Millport, Pa.

Rodgers, C. C.	Franklin, Pa.
Ross, Estelle	Falls Creek, Pa.
Ross, Claire	Bells Landing, Pa.
Russell, Frances	Duke Center, Pa.
Shanor, Ruth	Beaver Falls, Pa.
Shaw, Beatrice	Coudersport, Pa.
Shepard, Evalena	Atlantic, Pa.
Shields, Cleone	Rochester Mills, Pa.
Shiffler, Maud	Roaring Springs, Pa.
Shober, Lucy	Garrett, Pa.
Shook, Florence	Scranton, Pa.
Shoeffler, Mary	Perryopolis, Pa.
Silfies, Blanche	Clairmont, Pa.
Simmons, Mabel	Geneva, Pa.
Simpson, Mildred	Beaver, Pa.
Slater, Hollis	Grove City, Pa.
Smallenberger, Gertrude	Meadville, Pa.
Smyers, Eva	Blairsville, Pa.
Snyder, Bell	Grove City, Pa.
Stanton, Leona	West Pittston, Pa.
Steadwell, Grace	Kushequa, Pa.
Steele, Susan	Greensburg, Pa.
Stevenson, Maud	Edgewood, Pa.
Stucki, Blanche	McKeesport, Pa.
Stutsman, Florence	Johnstown, Pa.
Stroup, Given	Johnstown, Pa.
Thomas, Nettie	New Brighton, Pa.
Tillack, Eleanor	Johnsonburg, Pa.
Truby, Bertha W.	Apollo, Pa.
Tuck, Eleanor	Homer City, Pa.
Urey, Blanche	Sandy Lake, Pa.
VanSwearingen, Jennie	Hookstown, Pa.
Vance, Marie	Cross Creek, Pa.
Vaughn, Marie	Clairton, Pa.
Veach, Elaine	Coraopolis, Pa.
Wagner, Dena	Marion Center, Pa.
Walter, Goldie	Blairsville, Pa.
Walker, Florence	Berlin, Pa.
Walters, Minerva	Livermore, Pa.
Ward, Anna	Avoca, Pa.
Ward, Rose	Punxsutawney, Pa.
Watson, Jane	McKeesport, Pa.
Weiss, Lyda	Punxsutawney, Pa.
Westlake, Edward F.	Washington, Pa.

White, Nellie	Mercer, Pa.
Wiard, Ruth	Springboro, Pa.
Wiard, Lillian	Springboro, Pa.
Wilkinson, Gertrude	California, Pa.
Williams, Bertha	Scranton, Pa.
Williams, Rhea	Elderton, Pa.
Williams, Agnes	LaJose, Pa.
Williams, May	Mt. Lebanon, Pa.
Williams, Violet G.	Altoona, Pa.
Willard, George	Saltsburg, Pa.
Wilson, Rilla	Johnstown, Pa.
Zulic, Rose	Duquesne, Pa.

Total 290; 15 men; 275 women.

CONSERVATORY OF MUSIC

POST GRADUATES

PIANO

Bachop, Emma	Sheakeleyville, Pa.
Moorehead, Adda	Volant, Pa.
Seiple, Stanley	Greenville, Pa.
Dickey, Prof. H.	Selinsgrove, Pa.
Cozad, A.	Worthington, Pa.

GRADUATES

PIANO TEACHERS' COURSE

Teaching Beginning Grade

Duppstadt, Elsie	Somerset, Pa.
Peifer, Leona	DuBois, Pa.
Montgomery, Blanche	Grove City, Pa.
Smith, Beulah,	Cabot, Pa.

Teaching Beginning and Middle Grade

Bell, Ellen	Punxsutawney, Pa.
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Teaching Beginning, Middle and Advanced Grade

Poehlmann, Ilse	Grove City, Pa.
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Fitness for Independent Development as Pianist

Poehlmann, Ilse	Grove City, Pa.
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VOCAL TEACHERS COURSE

Teaching Beginning and Middle Grade

Duppstadt, Elsie	Somerset, Pa.
Peifer, Leona	DuBois, Pa.

Church and Solo-Organist

Kelly, Helen O. P.New Castle, Pa.

Public School Music Supervisor

Freeman, MaudeCambridge Springs, Pa.

UNDERGRADUATES

PIANO

Arner, TwliaShippenville, Pa.
 Angle, HelenHagerstown, Md.
 Blair, IsabelParkers Landing, Pa.
 Chambers, ElinorMifflinburg, Pa.
 Cole, EthelRayland, Ohio
 Chamberlain, HelenGrove City, Pa.
 Coulter, FannieGrove City, Pa.
 Christler, OliveMurdocksville, Pa.
 Cox, JessieAltoona, Pa.
 Curry, Mrs. MaryRidgway, Pa.
 Carpenter, EdnaBenwood, W. Va.
 Cummings, B. F.Jamestown, Pa.
 Ehler, ClaireShippenville, Pa.
 Fithian, LeilaGrove City, Pa.
 Frisbee, ElizabethValencia, Pa.
 Frankel, MarguerettaMercer, Pa.
 Frederick, FredaNew Kensington, Pa.
 Freeman, MaudeCambridge Springs, Pa.
 Grant, AlfrettaNew Castle, Pa.
 Galbreath, MabelCabot, Pa.
 Grace, MarthaClarks Mills, Pa.
 Gillam, WinifredBerwick, Pa.
 Gibson, GraceCabot, Pa.
 Hoy, AdelineDuBois, Pa.
 Hunsberger, EdnaBarkeyville, Pa.
 Halinan, ClaireMilton, Pa.
 Hawkins, Wilson A.Sharpshurg, Pa.
 Holmes, HelenHookstown, Pa.
 Herriott, LauraSharpshville, Pa.
 Hodge, PearlGrove City, Pa.
 Hoffman, Mrs. MarjorieGrove City, Pa.
 Hughes, HazelEmlenton, Pa.
 Young, LillianMercer, Pa.
 Jamison, BeulahEau Claire, Pa.
 Hutchison, MaudeEau Claire, Pa.
 Kerr, OraGrove City, Pa.

Long, Susie	Emlenton, Pa.
Lockhart, Elizabeth	Toledo, Ohio
Lightner, Ruth	Coalport, Pa.
Langton, Louise	Pittsburgh, Pa.
Flynn, Mrs. James	Kellettville, Pa.
McCoy, Vista	Grove City, Pa.
McEwan, Feronia	Irvona, Pa.
McKee, Elinor	Baldwin, Pa.
Mossford, Olive	Jackson Center, Pa.
Robins, Glenna	Jackson Center, Pa.
Ramsey, Christine	St. Marys, Pa.
Shannon, Marian	New Castle, Pa.
Smith, Isabel	Jackson Center, Pa.
Slater, Georgia	Grove City, Pa.
Sutman, Hudson	Monongahela, Pa.
Tebay, Helen	Butler, Pa.
Whitesell, Marian	Greensburg, Pa.
Walter, Edna	Butler, Pa.
Wray, Elizabeth	Grove City, Pa.
Wyman, Jessie	Rimersburg, Pa.
Weaver, Lois	Fredonia, Pa.
Wigton, Fanny	Prospect, Pa.
Wasser, Helen	Fredonia, Pa.
Walker, Arthur	Grove City, Pa.

VOCAL

Arner, Twila	Shippenville, Pa.
Allen, Percival	Grove City, Pa.
Anderson, G. Glenn	Sharon, Pa.
Breckenridge, Grace	Grove City, Pa.
Cole, Ethel	Rayland, Ohio
Davis, Mary	Grove City, Pa.
Dodds, Wesley	Jamestown, Pa.
Frederick, Freda	New Kensington, Pa.
Freeman, Maude	Cambridge Springs, Pa.
Grant, Alfretta	New Castle, Pa.
Gahagan, C. B.	Dayton, Pa.
Gibson, Grace	Cabot, Pa.
Gillam, Winifred	Berwick, Pa.
Gealy, Mildred	Grove City, Pa.
Henry, Elzada	Hamilton, Pa.
Humes, Helen	Mercer, Pa.
Herriott, Laura	Sharpsville, Pa.
Hawkins, W. A.	Sharpsburg, Pa.

Hosick, Gertrude	Grove City, Pa.
Locke, Mrs. D. C.	Monaca, Pa.
Lightner, Ruth	Coalport, Pa.
Moser, Walter	Butler, Pa.
Metzgar, Iva	Shippenville, Pa.
Poehlmann, Ilse	Grove City, Pa.
Rice, E. Frances	Volant, Pa.
Robins, Ruth	Fredonia, Pa.
Say, D. Lester	Parkers Landing, Pa.
Tebay, Merna	Grove City, Pa.
Truby, Elizabeth	Apollo, Pa.

VIOLIN

Law, Margaret	Mercer, Pa.
Hogg, R.	Slippery Rock, Pa.
Reynolds, Esther	Grove City, Pa.
Wigton, Fanny	Prospect, Pa.

ORGAN

Chambers, Eleanor	Mifflinburg, Pa.
Moore, Beatrice	Vandergrift, Pa.
Sutman, Hudson	Monongahela, Pa.

HARMONY

Blair, Isabel	Parkers Landing, Pa.
Chambers, Eleanor	Mifflinburg, Pa.
Curry, Mrs. Mary	Ridgway, Pa.
Coulter, Fanny	Grove City, Pa.
Ehler, Claire	Shippenville, Pa.
Freeman, Maude	Cambridge Springs, Pa.
Fithian, Leila	Grove City, Pa.
Grant, Alfretta	New Castle, Pa.
Grace, Martha	Clarks Mills, Pa.
Holmes, Helen	Hookstown, Pa.
Halinan, Claire	Milton, Pa.
Hoy, Adeline	DuBois, Pa.
Galbreath, Mabel	Cabot, Pa.
Hawkins, W. A.	Sharpsburg, Pa.
Hunsberger, Edna	Barkeyville, Pa.
Kerr, Ora	Grove City, Pa.
Lockhart, Elizabeth	Toledo, Ohio
McCoy, Vista	Grove City, Pa.
McEwan, Ferona	Irvona, Pa.
Moore, Beatrice	Vandergrift, Pa.

Reynolds, Esther	Grove City, Pa.
Robins, Ruth	Fredonia, Pa.
Smith, Isabel	Jackson Center, Pa.
Slater, Georgia	Grove City, Pa.
Tebay, Helen	Butler, Pa.
Wray, Elizabeth	Grove City, Pa.
Walters, Edna	Butler, Pa.

TEACHERS INSTRUCTION

PIANO

Coulter, Fanny	Grove City, Pa.
Freeman, Maude	Cambridge Springs, Pa.
Grace, Martha	Clarks Mills, Pa.
Holmes, Helen	Hookstown, Pa.
Halinan, Claire	Milton, Pa.
Hunsberger, Edna	Barkeyville, Pa.
McCoy, Vista	Grove City, Pa.
Slater, Georgia	Grove City, Pa.
Kerr, Ora	Grove City, Pa.
Lockhart, Elizabeth	Toledo, Ohio
Robins, Ruth	Fredonia, Pa.
Smith, Isabel	Jackson Center, Pa.
Curry, Mrs. Mary	Ridgway, Pa.
Grant, Alfretta	New Castle, Pa.

FORMS

Fithian, Leila	Grove City, Pa.
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ELEMENTS OF MUSIC

Gibson, Grace	Cabot, Pa.
McEwan, Ferona	Irvona, Pa.
Frederick, Freda	New Kensington, Pa.
Long, Susie	Emlenton, Pa.
Hoffman, Mrs. Marjorie	Grove City, Pa.

HISTORY OF MUSIC

Fithian, Leila	Grove City, Pa.
Arner, Twila	Shippenville, Pa.
Blair, Isabel	Parkers Landing, Pa.
Chambers, Eleanor	Mifflinburg, Pa.
Coulter, Fanny	Grove City, Pa.
Frederick, Freda	New Kensington, Pa.
Ehler, Claire	Shippenville, Pa.

Freeman, Maude	Cambridge Springs, Pa.
Galbreath, Mabel	Cabot, Pa.
Gillam, Winifred	Berwick, Pa.
Grace, Martha	Clarks Mills, Pa.
Hunsberger, Edna	Barkeyville, Pa.
Hoy, Adeline	DuBois, Pa.
Hawkins, W. A.	Sharpsburg, Pa.
Kerr, Ora	Grove City, Pa.
Lockhart, Elizabeth	Toledo, Ohio
McCoy, Vista	Grove City, Pa.
Reynolds, Esther	Grove City, Pa.
Reynolds, Esther	Grove City, Pa.
Wray, Elizabeth	Grove City, Pa.
Whitesell, Marian	Greensburg, Pa.
Smith, Isabel	Jackson Center, Pa.
Walters, Edna	Butler, Pa.
Wyman, Jessie	Rimersburg, Pa.
Slater, Georgia	Grove City, Pa.
Gibson, Grace	Cabot, Pa.
Lightner, Ruth	Coalport, Pa.
McEwan, Feronia	Irvona, Pa.
Halinan, Claire	Milton, Pa.
Long, Susie	Emlenton, Pa.
Tebay, Helen	Butler, Pa.

DUETTS

Blair, Isabel	Parkers Landing, Pa.
Coulter, Fanny	Grove City, Pa.
Grace, Martha,	Clarks Mills, Pa.
Hunsberger, Edna	Barkeyville, Pa.
Holmes, Helen	Hookstown, Pa.
Ehler, Claire	Shippenville, Pa.
Fithian, Leila	Grove City, Pa.
Kerr, Ora	Grove City, Pa.
Lockhart, Elizabeth	Toledo, Ohio
Halinan, Claire	Milton, Pa.
McCoy, Vista	Grove City, Pa.
Robins, Ruth	Fredonia, Pa.
Walters, Edna	Butler, Pa.
Slater, Georgia	Grove City, Pa.
Smith, Isabel	Jacksn Center, Pa.

MUSIC DICTATION

Frederick, Freda	New Kensington, Pa.
Gibson, Grace	Cabot, Pa.

Hawkins, W. A.	Sharpsburg, Pa.
Lightner, Ruth	Coalport, Pa.
Long, Susie	Emlenton, Pa.
McEwan, Feronia	Irvona, Pa.
Robins, Ruth	Fredonia, Pa.
Wigton, Fanny	Prospect, Pa.
Blair, Isabel	Parkers Landing, Pa.
Arner, Twila	Shippensville, Pa.
Chambers, Eleanor	Mifflinburg, Pa.
Ehler, Claire	Shippensville, Pa.
Freeman, Maude	Cambridge Springs, Pa.
Grace, Martha	Clarks Mills, Pa.
Gillam, Winifred	Berwick, Pa.
Galbreath, Mabel	Cabot, Pa.
Hoy, Adeline	DuBois, Pa.
Lockhart, Elizabeth	Toledo, Ohio
Kelly, Helen O. P.	New Castle, Pa.
Robins, Ruth	Fredonia, Pa.
Smith, Isabel	Jackson Center, Pa.
Slater, Georgia	Grove City, Pa.
Wray, Elizabeth	Grove City, Pa.
Wigton, Fanny	Prospect, Pa.
Whitesell, Marian	Greensburg, Pa.
Coulter, Fanny	Grove City, Pa.
Holmes, Helen	Hookstown, Pa.
Hunsberger, Edna	Barkeyville, Pa.
Kerr, Ora	Grove City, Pa.
Reynolds, Esther	Grove City, Pa.
Walters, Edna	Butler, Pa.
Houck, W. A.	Grove City, Pa.
Wyman, Jessie	Rimersburg, Pa.
Tebay, Merna	Grove City, Pa.

Total 34; 2 men, 32 women.

MODEL DEPARTMENT

Allison, Gladys	Grove City, Pa.
Blair, Edith	Grove City, Pa.
Harmon, H.	Grove City, Pa.
Kelly, Wade	Grove City, Pa.
Koonce, Ruth	Grove City, Pa.
McCune, Martin	Grove City, Pa.
McGarr, D.	Grove City, Pa.
McWilliams, Gertrude	Grove City, Pa.
Montgomery, M.	Grove City, Pa.

Pringle, J.	Grove City, Pa.
VanHorn, Jennie	Grove City, Pa.
VanHorn, Lois	Grove City, Pa.
Total 12; 5 boys, 7 girls.	

VOCAL DEPARTMENT

Bachop, Emma	Sheakleyville, Pa.
Houck, W.	Grove City, Pa.
Lockhart, Elizabeth	Toledo, Ohio
Smith, Beulah	Cabot, Pa.

INTERMEDIATE DEPARTMENT

Archer, Frances	Grove City, Pa.
Barnes, Margaret	Grove City, Pa.
Calder, H.	Grove City, Pa.
Calder, P.	Grove City, Pa.
Covert, N.	Grove City, Pa.
Daugherty, Harold	Grove City, Pa.
Daugherty, Raymond	Grove City, Pa.
Harmon, Paul	Grove City, Pa.
Nyman, Donald	Grove City, Pa.
Scott, Helen	Grove City, Pa.
Total 10; 5 boys, 5 girls.	

ART

Amberson, Gertrude	Grove City, Pa.
Armstrong, Ella	Grove City, Pa.
Deal, Marian	Grove City, Pa.
Guthrie, Mrs. John M.	Grove City, Pa.
Hazeltine, Edith	Warren, Pa.
McAlister, Hazel M.	Colegrove, Pa.
Metzgar, Iva	Shippensburg, Pa.
Thompson, Margia	Ridgway, Pa.
8 Women.	

COMMERCIAL

Bell, A. J.	New Wilmington, Pa.
Boon, William	Canonsburg, Pa.
Colwell, Turney	Parkers Landing, Pa.
Cloak, H. F.	Cowensville, Pa.
Crider, John	Evans City, Pa.
Douds, Edwin C.	New Sheffield, Pa.
Frew, James	New Castle, Pa.

Foster, Lloyd	Franklin, Pa.
Hughes, Naomi	Sharon, Pa.
Hawthorne, Pearl	Mercer, Pa.
Koller, Vernon	Grove City, Pa.
Luse, Edith	Sharon, Pa.
McCoy, L. O.	Jackson Center, Pa.
McGregor, J. C.	Parkers Landing, Pa.
Moorehead, James	New Castle, Pa.
Miller, Clarence	Apollo, Pa.
Mealey, Victor	Vienna, W. Va.
Miller, Marmaduke	Mercer, Pa.
Perry, Paul	Branchton, Pa.
Pierce, J. G.	Yohogany, Pa.
Price, John	Grove City, Pa.
Patton, Morris	Falls Creek, Pa.
Rhodes, Benj.	Grove City, Pa.
Reynolds, Dwight	Kittanning, Pa.
Trevitt, W. E.	Stoneboro, Pa.
Williams, Bertha	Scranton, Pa.
Walls, Ada	Grove City, Pa.
Wike, W. S.	Mercer, Pa.
Young, Ralph W.	Parnassus, Pa.
Zahniser, Ralph	Mercer, Pa.

Total 30; 25 men, 5 women.

STENOGRAPHY

Baker, Bertha	Grove City, Pa.
Capers, Mrs. Stacy	Princeton, N. J.
Dodds, Wesley	Jamestown, Pa.
Forker, Mary	Mercer, Pa.
Hughes, Naomi	Sharon, Pa.
Hawthorne, Pearl	Mercer, Pa.
Keitzer, Mary	Homestead, Pa.
Luse, Edith	Sharon, Pa.
Mathieson, Nellie	Grove City, Pa.
Moorehead, James	New Castle, Pa.
Dougherty, R. F.	Brockwayville, Pa.
Patterson, Gertrude	Grove City, Pa.
Rhodes, Harry	Grove City, Pa.
Strock, Rena B.	St. Marys, Pa.
Shillito, Mildred	Grove City, Pa.
Sharpnack, Roy S.	Rices Landing, Pa.
Spears, Agnes	Grove City, Pa.

Wilson, Esther	Grove City, Pa.
Young, Helen	Grove City, Pa.
Total 19; 5 men, 14 women.	

TYPEWRITING

Baker, Bertha	Grove City, Pa.
Capers, Mrs. T. Stacey	Princeton, N. J.
Dougherty, R. F.	Brockwayville, Pa.
Dodds, W. B.	Jamestown, Pa.
Forker, Mary	Mercer, Pa.
Hughes, Naomi	Sharon, Pa.
Hawthorne, Pearl	Mercer, Pa.
Keitzer, Mary	Homestead, Pa.
Luse, Edith	Sharon, Pa.
Mathieson, Nellie	Grove City, Pa.
Moorehead, James	New Castle, Pa.
Mealy, Victor H.	Vienna, West Va.
McCoy, L. O.	Jacson Center, Pa.
Patterson, Gertrude	Grove City, Pa.
Rhodes, Harry	Grove City, Pa.
Shillito, Mildred	Grove City, Pa.
Spears, Agnes	Grove City, Pa.
Winger, Viola	Grove City, Pa.
Wilson, Esther	Grove City, Pa.
Young, Helen	Grove City, Pa.
Zahniser, Ralph	Mercer, Pa.
Total 20; 7 men, 13 women.	

SCHOOL OF SUPERVISION, 1913

Austin, W. L.	Oakdale, Pa.
Barker, George M.	Ingram, Pa.
Gerberich, G. B.	Greenville, Pa.
Johnson, W. M.	Sharpsville, Pa.
Kingsley, T. E.	Pleasantville, Pa.
Laird, Margaret	Charleroi, Pa.
Lepsley, Jennie S.	Braddock, Pa.
Lehn, H. M. B.	Grove City, Pa.
McConnell, H. E.	Mercer, Pa.
Palmer, N. G.	Verona, Pa.
Wherry, J. Elwood	Coraopolis, Pa.
White, Isabel	McKeesport, Pa.

Total 12; 9 men, 3 women.

SCHOOL OF SUPERVISION, 1914

Church, Olive H.	Erie, Pa.
Dungan, A. D.	Murdocksville, Pa.
Foote, J. R.	Smethport, Pa.
Groleau, Eudore	Uniontown, Pa.
Irwin, W. W.	Ford City, Pa.
Maxwell, R. R.	Grove City, Pa.
McConnell, H. E.	Mercer, Pa.
Taylor, E. W.	Girardville, Pa.
Vincent, Hugh G.	Fairchance, Pa.

Total 9; 8 men, 1 woman.

SUMMARY

COLLEGIATE DEPARTMENT

	Ladies	Gentlemen	Total
Post Graduates	2	37	39
Graduates, June 1914	15	47	62
Seniors	9	12	21
Qualifying Seniors	7	24	31
Juniors	9	20	29
Sophomores	31	61	92
Freshman	54	81	135
Conditional Freshman	9	34	43
Preparatory and Special	101	208	309

COMMERCIAL DEPARTMENT

Stenography	14	5	19
Typewriting	13	7	20
Business	5	25	30
Art	8		8

PEDAGOGY DEPARTMENT

Pedagogy	211	14	225
Pedagogy 1914	275	15	290
Supervision 1913	3	9	12
Supervision 1914	1	8	9

MUSIC DEPARTMENT

Post Graduate	3	2	5
Graduates	8		8

UNDERGRADUATES

Piano	56	3	59
Vocal	22	7	29
Violin	3	1	4
Organ	1	2	3
Harmony	26	1	27

TEACHERS' INSTRUCTION

Piano	14		14
Forms	1		1
Elements of Music	5		5
History of Music	29	1	30
Duetts	15		15
Dictation	32	2	34
Model class	7	5	12
Vocal	3	1	4
Intermediate Department	5	5	10
Different Students	723	479	1202

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